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FIVE SPECIES OF WINTERING HUMMINGBIRDS FOUND IN TENNESSEE IN WINTER 1997-1998

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The winter of 1997-98 was a remarkable one for both the number and the diversity of the hummingbirds which were recorded across the state. No fewer than nine individuals of five different species were banded this past winter in Tennessee by Bob and Martha Sargent of Trussville, Alabama. The nine individuals consisted of one Calliope Hummingbird (*Stellula calliope*), one Black-chinned Hummingbird (*Archilochus alexandri*), two Ruby-throated Hummingbirds (*Archilochus colubris*), one Allen's Hummingbird (*Selasphorous sasin*), and four Rufous Hummingbirds (*S. rufus*). The Sargents received reports of at least six other late fall or winter hummingbirds, most likely of genus Selasphorous, which they were not able to band. Of the species which had previously been recorded in Tennessee, only Anna's Hummingbird (*Calypte anna*) was not observed last winter. Below is a summary of the dates, locations, and other pertinent information about each bird.

Calliope Hummingbird. This hatching-year female, a first Tennessee record, was the star of the winter hummer spectacle for most area birders. Ed and Evelyn Wright first observed the bird at their east Nashville feeder on 2 November, but its identity was not confirmed until it was banded on 2 December. "Katie" delighted the Wrights and hundreds of visitors until her departure on 1 April 1998. This record has since been accepted by the Tennessee Bird Records Committee (TBRC) and added to the Official List of Tennessee Birds. On 1 January, participants in the Hickory-Priest Christmas Bird Count recorded this bird. Based on the information provided on the compilation form, compiler Chris Sloan believes that this is the first Calliope Hummingbird ever recorded on a North American Christmas Bird Count.

Black-chinned Hummingbird. This hatching-year female, a second Tennessee record, would likely have stolen the show were it not for the presence of the Calliope Hummingbird. First recorded on 7 December, it was banded and its identity confirmed on 14 December at the home of Mrs. Pat Fraley in Franklin. Interestingly, Fraley first observed the bird feeding on insects in her yard. She promptly put her hummingbird feeders back out, and the bird soon became a regular visitor. On 20 December 1997, this bird was recorded during the Nashville Christmas Bird

Count. This record has since been accepted by the TBRC. Tennessee's first Black-chinned Hummingbird was observed at a feeder in east Chattanooga from 7 December to 24 February.

Allen's Hummingbird. This hatching-year male was present at the feeder of Bennette Rowan in Johnson City, Tenn. from 17 November until 16 December. The Sargents banded this individual on 3 December. The TBRC has verified this record, and it constitutes the third documented Allen's Hummingbird in Tennessee. Both previous records are from east Tennessee, one from Soddy Daisy and one from Knoxville. Two other Allen's Hummingbirds were banded last season just outside the Tennessee lines, including one in Ringgold, Georgia, and one in Bristol, Virginia.

Ruby-throated Hummingbird. Prior to last winter, only two Ruby-throated Hummingbirds had ever been banded in winter in Tennessee. Thus, in Bob Sargent's opinion, banding two Ruby-throats in Tennessee this past winter was a tremendous treat. One was a hatching-year female banded 2 December in Nashville at the home of Bill and Dot Midgett, and the other was a hatching-year male banded in January in Santa Fe. Based on the deep, extensive bill striations and nestling behavior exhibited by the bird in the hand, the Sargents believe that the Nashville bird probably hatched in late September or October.

Rufous Hummingbird. Of the six species of hummingbirds which have been recorded in Tennessee, Rufous Hummingbird is the species most frequently encountered. This winter was no exception, with the Sargents capturing four birds of this species in Tennessee. On 14 December, hatching-year males were banded in Franklin at the home of Frank and Delores Gensci and in Lebanon at the home of Gwen Davis. On 16 January, an adult female was banded in La Follette at the home of Susan Kitts. Also on January 16 the Sargents recaptured an adult female which they had originally banded the previous winter at the same location in Townsend.

Each winter, birders and banders all across the eastern U.S. are learning about the surprisingly diverse array of hummingbirds which occasionally visit our feeders in winter. As recently as 1990, the Official List of Tennessee Birds contained only two species of hummingbirds (Robinson, 1990). As more people leave feeders up throughout the winter and lines of communication continue to develop, we will continue to learn and be amazed by these colorful and hardy visitors!

The Migrant, 69 (1): 3-4, 1998.

RECENT NEST RECORDS OF THE BLACK-THROATED GREEN WARBLER IN TENNESSEE

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During 1994 and 1995, I observed five nests of the Black-throated Green Warbler (*Dendroica virens*) in Tennessee. Although this species is widespread and fairly common to common in the Blue Ridge, Cumberland Plateau, and Cumberland Mountains (Nicholson 1997), I found only three previous Tennessee nest records during extensive searches of the literature, egg collections, and Cornell Laboratory of Ornithology Nest Record Cards. All of these previous records were observations of nests under construction. Therefore, I feel publication of details of my recent observations is warranted.

Nest 1, found by Scott Pearson and me on 29 April 1994, was located on the Tennessee-North Carolina border about 200 m west of Indian Gap, Great Smoky Mountains National Park, at an elevation of 1670 m. The female warbler was building the nest about 8 m up in a yellow birch (*Betula alleghaniensis*). The nest was located on a 5 cm diameter horizontal branch where it forked into three other horizontal branches. The exterior of the nest was constructed of bits of birch bark and plant down, bound with spider webs. We observed the female shaping the nest cup by crouching in the nest and molding it with her body.

Nest 2 was located along old State Highway 63 near Cove Creek about 5 km northwest of Caryville, Campbell County, at an elevation of 344 m. It was straddled on a fork of an upward sloping branch of a boxelder (*Acer negundo*), about 5.5 m above the ground. The nest tree was adjacent to the road and the nest was visible from the road. When I first discovered the nest on 13 May 1995, the female was incubating four eggs. On 17 May, she was still incubating four eggs. On 18 and 21 May, she was again on the nest; I did not check the nest contents on either of these days. On 24 May, the nest contained four young about five days old; and on 30 May the nest was empty and intact. During my inspections of the nest on 13 and 17 May, the female sat very closely and did not flush from the nest until my hand was less than 30 cm from the nest.

Nest 3 was located in Frozen Head State Natural Area, Morgan County, about 1 km northwest of Frozen Head fire tower at an elevation of about 825 m. It was about 10 m high in a 15 m tall basswood (*Tilia heterophylla*) on a slightly upsloping limb at its junction with two almost vertical branches. The nest was near the middle of the tree canopy and about 2 m from the trunk tree and 1.2 m from the end of the limb. When found on 19 June 1995, the nest contained at least three large nestlings, close to fledging, being fed by the male and female adult warblers.

Nests 4 and 5 were located a few hundred m apart on the north slope of Young Mountain in southwest Scott County, at an elevation of about 700 m. I found both of them on 8 June 1995. Nest 4 was 6.4 m above ground on a horizontal branch of a 15 cm diameter black birch (*Betula lenta*). The nest was about 2 m from the main

trunk of the tree and no other branches or leaves shielded it from the sides or below. Although I was unable to determine its contents, I observed an agitated female in the nest tree.

Nest 5 was 9.4 m above ground in a 20 cm diameter sugar maple (*Acer saccharum*). It was built against the main trunk of the tree at the base of a limb. The nest contained a large Brown-headed Cowbird (*Molothrus ater*) nestling. During about 15 minutes of observation, I watched the female adult warbler feed the cowbird nestling 4 times. No other nestlings were visible.

LITERATURE CITED

NICHOLSON, C.P. 1997. *Atlas of the breeding birds of Tennessee*. Univ. Tenn. Press, Knoxville.

The Migrant, 69 (1): 4-5, 1998.

EVIDENCE OF VIRGINIA RAIL NESTING IN WEST TENNESSEE

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On 11 May 1998, while mowing a 12-acre pasture which borders a six-acre pond near Williston, Tennessee in Fayette County, I flushed a bird which I did not immediately recognize but instantly labeled as an unusual bird for this place. The bird came up out of the grass from so close to the tractor that it was in the tractor's shadow. It flew away from me, keeping just above the level of the grass and landed in the wet area close to the pond. What I noticed immediately was a long, down-curved bill and legs that hung down almost vertically on a bird about the size of a meadowlark, with almost no tail. The bird flew fairly awkwardly, never more than about six inches above the top of the grass, and disappeared from sight the instant it landed. Because the tractor was running, I don't know whether or not it called.

I stopped the tractor and walked back down towards the pond. As I approached the area from which the first bird had flushed, a second bird hopped out of the long grass; it remained and started to move across the mowed area, heading for the tree-line at the edge of the field. This juvenile bird was almost solid dull black on top, with some gray wash around the eyes in the form of a developing cheek mark and lighter gray feathering on the underside of its body. The area below the very short tail appeared almost a dirty light gray. It would let me approach to within about 18 inches, then it would hop ahead of me in a low, short flight of 2-3 feet. Upon landing, it spoke in a clear double-click, each time repeated twice. When I would approach again, it would gape at me and call the double-click before moving off ahead. I drove the bird ahead of me in this fashion until it reached the protection of the tall grass at the edge of the field. Then I left the field and stayed out of it until dusk of the following evening, because I wanted to give any rails a chance to find cover.

Although I listened every evening, it was five days before I heard a rail call. The call came from below the pond, where there are areas that are not mowed until later in the summer, and thus provide much better cover than the relatively open expanse of the horse pasture. The call clearly had the "speed-up," double-click pattern of a Virginia Rail. I later heard it three times from the same area and once from across the road, at the edge of a neighboring pond. If the bird had been calling earlier this spring, before I sighted it, I wasn't listening closely enough to distinguish the call from that of the frogs around the pond. A horse pasture would not ordinarily be typical habitat for a Virginia Rail (*Rallus limicola*), but this spring was exceptionally rainy — so wet that I hadn't been able to mow until almost a month later than usual. The mixed grasses in the pasture were 18-30 inches high. The area from which the birds flushed was at the high end of that range, and about 12 feet from the pond. With the amount of rain we had had, that area, although not actually a marsh, had certainly been wet much of the previous month. That end of the pond is very shallow; I can wade in it to 200 feet out and still be only up to my waist, so it would not be impossible to imagine the area as rail habitat. The pond is frequented year-round by Green-backed Herons (*Butorides virescens*), Great Blue Herons (*Ardea herodias*), Belted Kingfishers (*Ceryle alcyon*), Red-winged Blackbirds (*Agelaius phoeniceus*), grebes in the winter and geese in the spring. Killdeer (*Charadrius vociferus*), Eastern Meadowlarks (*Sturnella magna*), and Northern Bobwhite (*Colinus virginianus*) are known to nest in the pasture routinely.

Breeding activity in Virginia Rails in Tennessee begins in March and egg-laying begins as early as late March (Nicholson, 1997). Although there are no nesting reports for the Virginia Rail in West Tennessee, there are sufficient occasional sightings between early March and mid-May that the bird is considered unusual but not entirely unlikely (Robinson, 1990; Waldron, 1998). In Arkansas, the bird is known to spend time in "wet open fields and other unexpected places" (James and Neal, 1986). In Kentucky, the Virginia Rail has been recorded as "also occurring in weedy or grassy fields with dense cover." A number of nest records exist for East Tennessee, and nesting has been reported in Maury County in central Tennessee, as far south and west as Louisiana, as well as in northern Alabama (Nicholson, 1997). Absence of previous nest records for West Tennessee probably reflects the absence of interested observers in Tennessee's more rural counties, rather than an absence of habitat.

LITERATURE CITED

James, D.A. and J.C. Neal. 1986. *Arkansas Birds; Their Distribution and Abundance.* Univ. of Arkansas Press, Fayetteville.

Nicholson, C.P. 1997. *Atlas of Breeding Birds of Tennessee.* Univ. of Tennessee Press, Knoxville.

Robinson, J.C. 1990. *An Annotated Checklist of the Birds of Tennessee.* Univ. of Tennessee Press, Knoxville.

Waldron, M.G. 1998. *Seasonal Occurrences of Shelby County, Tennessee Birds.* Memphis Chapter, Tennessee Ornitho. Soc., Memphis.

The Migrant, 69 (1): 6-7, 1998.

TERRITORIAL WINTER WRENS IN THE CUMBERLAND MOUNTAINS OF TENNESSEE

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During the summers of 1994 and 1995, I observed one and three Winter Wrens (*Troglodytes troglodytes*), respectively, at Frozen Head State Natural Area, Morgan County, Tennessee. These are the first breeding season records of this species from the Cumberland Mountains of Tennessee. The normal breeding range of the Winter Wren in Tennessee is restricted to the Blue Ridge Mountains, where it usually occurs above 900 m elevation (Robinson 1991, Nicholson 1997). Although two August records exist from the Cumberland Mountains of Kentucky, the species is not known to occur there during its breeding season (Monroe et al. 1988, Palmer-Ball 1996).

On 16 June 1994, I observed a singing Winter Wren at about 850 m elevation along the North Mac Trail on Old Mac Mountain. I first heard the wren singing at 0715 about 900 m NNW of Frozen Head Fire Tower. During the next 35 minutes, the wren continued to sing the long, complex songs typical of its species as it moved about 400 m towards the west and slightly downslope, parallel to the trail. I then left the area and did not observe the wren when I hiked back through the area about three hours later.

My next observation was on 20 May 1995, at about 880 m elevation, 700 m southwest of the Frozen Head fire tower. This singing bird was near the edge of a bird census plot, and I observed it on five of eight later visits. My last observation of this bird was on 24 June. All of these observations were within an area of about 250 m diameter, and the wren appeared to be territorial.

On 19 June 1995, I observed two additional singing Winter Wrens along the North Mac Trail. The first of these birds was near where the wren was first observed in June 1994. The second bird was about 900 m down the trail from the first bird, at about 790 m elevation. I again observed a wren singing at the location of the first bird on 24 June. I did not revisit the site of the second wren on North Mac Trail.

All of these observations of Winter Wrens were on north-northwest to north-northeast slopes in mature mixed mesophytic forest between 790 and 880 m elevation. Tulip-poplar (*Liriodendron tulipifera*) was among the most common tree at each site. Other overstory trees present included sugar maple (*Acer saccharum*), buckeye (*Aesculus spp.*), cumbertree (*Magnolia acuminata*), northern red oak (*Quercus rubra*), and black cherry (*Prunus serotina*). Hydrangea (*Hydrangea arborescens*) was common in the understory at each site, and the lowermost site on North Mac Trail had dense tangles of Dutchman's breeches (*Aristolochia durior*). The herbaceous layer at each site was dense, and common herbs included goatsbeard (*Aruncus cioicus*), Solomon's seal (*Polygonatum biflorum*), black cohosh (*Cimicifuga racemosa*), bellwort (*Uvularia spp.*), and stinging nettle (*Urtica dioica*). The bird first observed on 20 May 1995, was often near a rock bluff about 7 m tall. The two locations along North Mac Trail were near ravines containing scattered boulders.

LITERATURE CITED

MONROE, B.L., JR., A. L. STAMM, and B. P. PALMER-BALL, JR. 1988. *An Annotated Check-list of the Birds of Kentucky.* Kentucky Ornithol. Soc., Louisville.

NICHOLSON, C.P. 1997. *Atlas of the Breeding Birds of Tennessee.* Univ. Tennessee Press, Knoxville.

PALMER-BALL, B., JR. 1996. *The Kentucky Breeding Bird Atlas.* Univ. Kentucky Press, Lexington.

ROBINSON, J.C. 1990. *An Annotated Checklist of the Birds of Tennessee.* Univ. Tennessee Press, Knoxville.

The Migrant, 69 (1): 7-12, 1998.

THE OFFICIAL LIST OF TENNESSEE BIRDS 1998 UPDATE

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The Tennessee Ornithological Society's Certification Committee, now the Tennessee Bird Records Committee, was formed in 1982 to assemble the official list of Tennessee birds (Nicholson 1983). Subsequently, the committee has provided four addenda to the list (Nicholson and Stedman 1988; Knight 1993, 1996; Greene 1997). However, a complete list of the state's birds has not been published since 1983. The following list contains all species accepted by the committee through 1997.

Acceptance criteria have remained the same throughout this period. A species is placed on the confirmed list based upon either **1**) extant verified specimen, photograph or sound recording , or **2**) satisfactory written details of three independant sight records. Lacking these levels of documentation, a species is placed on the provisional list based upon one or two sight records with satisfactory written details. Acceptance to either list requires an unanimous decision by the committee.

The current list consists of 370 confirmed species and 20 provisional species for a total of 390 species accepted in Tennessee. Taxonomy follows the A.O.U. (1998). The list is divided by families.

Notations to the list:

P - provisional species (n=20)
E - extirpated species (n=2)
X - extinct species (n=2)

Red-throated Loon *Gavia stellata*
Pacific Loon *Gavia pacifica*
Common Loon *Gavia immer*
Yellow-billed Loon *Gavia adamsii*

Pied-billed Grebe *Podilymbus podiceps*
Horned Grebe *Podiceps auritus*
Red-necked Grebe *Podiceps grisegena*
Eared Grebe *Podiceps nigricollis*
Western Grebe (P) *Aechmophorus occidentalis*
Clark's Grebe (P) *Aechmophorus clarkii*

Band-rumped Storm-Petrel *Oceanodroma castro*

Northern Gannet (P) *Morus bassanus*

American White Pelican *Pelecanus erythrorhynchos*
Brown Pelican *Pelecanus occidentalis*

Neotropic Cormorant *Phalacrocorax brasilianus*
Double-crested Cormorant *Phalacrocorax auritus*

Anhinga *Anhinga anhinga*

Magnificent Frigatebird *Fregata magnificens*

American Bittern *Botaurus lentiginosus*
Least Bittern *Ixobrychus exilis*
Great Blue Heron *Ardea herodias*
Great Egret *Ardea alba*
Snowy Egret *Egretta thula*
Little Blue Heron *Egretta caerulea*
Tricolored Heron *Egretta tricolor*
Reddish Egret *Egretta rufescens*
Cattle Egret *Bubulcus ibis*
Green Heron *Butorides virescens*
Black-crowned Night-Heron *Nycticorax nycticorax*
Yellow-crowned Night-Heron *Nyctanassa violacea*

White Ibis *Eudocimus albus*
Glossy Ibis *Plegadis falcinellus*
White-faced Ibis *Plegadis chihi*
Roseate Spoonbill *Ajaia ajaja*

Wood Stork *Mycteria americana*

Black Vulture *Coragyps atratus*
Turkey Vulture *Cathartes aura*

Black-bellied Whistling-Duck *Dendrocygna autumnalis*
Fulvous Whistling-Duck *Dendrocygna bicolor*
Greater White-fronted Goose *Anser albifrons*
Snow Goose *Chen caerulescens*
Ross' Goose *Chen rossii*
Canada Goose *Branta canadensis*
Brant *Branta bernicla*
Barnacle Goose *Branta leucopsis*
Mute Swan *Cygnus olor*
Trumpeter Swan (E) *Cygnus buccinator*
Tundra Swan *Cygnus columbianus*
Wood Duck *Aix sponsa*
Gadwall *Anas strepera*
Eurasian Wigeon *Anas penelope*
American Wigeon *Anas americana*
American Black Duck *Anas rubripes*
Mallard *Anas platyrhynchos*
Blue-winged Teal *Anas discors*
Cinnamon Teal *Anas cyanoptera*
Northern Shoveler *Anas clypeata*
Northern Pintail *Anas acuta*
Garganey *Anas querquedula*
Green-winged Teal *Anas crecca*
Canvasback *Aythya valisineria*
Redhead *Aythya americana*
Ring-necked Duck *Aythya collaris*
Greater Scaup *Aythya marila*
Lesser Scaup *Aythya affinis*
King Eider *Somateria spectabilis*
Harlequin Duck *Histrionicus histrionicus*
Surf Scoter *Melanitta perspicillata*
White-winged Scoter *Melanitta fusca*
Black Scoter *Melanitta nigra*
Oldsquaw *Clangula hyemalis*
Bufflehead *Bucephala albeola*
Common Goldeneye *Bucephala clangula*
Barrow's Goldeneye (P) *Bucephala islandica*
Hooded Merganser *Lophodytes cucullatus*
Common Merganser *Mergus merganser*
Red-breasted Merganser *Mergus serrator*
Masked Duck *Nomonyx dominicus*
Ruddy Duck *Oxyura jamaicensis*

Osprey *Pandion haliaetus*
Swallow-tailed Kite *Elanoides forficatus*
White-tailed Kite *Elanus leucurus*
Mississippi Kite *Ictinia mississippiensis*
Bald Eagle *Haliaeetus leucocephalus*

Northern Harrier *Circus cyaneus*
Sharp-shinned Hawk *Accipiter striatus*
Cooper's Hawk *Accipiter cooperii*
Northern Goshawk *Accipiter gentilis*
Red-shouldered Hawk *Buteo lineatus*
Broad-winged Hawk *Buteo platypterus*
Swainson's Hawk (P) *Buteo swainsoni*
Red-tailed Hawk *Buteo jamaicensis*
Rough-legged Hawk *Buteo lagopus*
Golden Eagle *Aquila chrysaetos*

American Kestrel *Falco sparverius*
Merlin *Falco columbarius*
Gyrfalcon (P) *Falco rusticolus*
Peregrine Falcon *Falco peregrinus*
Prairie Falcon *Falco mexicanus*

Ruffed Grouse *Bonasa umbellus*
Greater Prairie-Chicken (E)
Tympanuchus cupido

Wild Turkey *Meleagris gallopavo*

Northern Bobwhite *Colinus virginianus*

Yellow Rail *Coturnicops noveboracensis*
Black Rail *Laterallus jamaicensis*
Clapper Rail *Rallus longirostris*
King Rail *Rallus elegans*
Virginia Rail *Rallus limicola*
Sora *Porzana carolina*
Purple Gallinule *Porphyrula martinica*
Common Moorhen *Gallinula chloropus*
American Coot *Fulica americana*

Limpkin *Aramus guarauna*

Sandhill Crane *Grus canadensis*

Black-bellied Plover *Pluvialis squatarola*
American Golden-Plover *Pluvialis dominica*
Snowy Plover *Charadrius alexandrinus*
Wilson's Plover (P) *Charadrius wilsonia*
Semipalmated Plover
Charadrius semipalmatus
Piping Plover *Charadrius melodus*
Killdeer *Charadrius vociferus*

Black-necked Stilt *Himantopus mexicanus*
American Avocet *Recurvirostra americana*

Greater Yellowlegs *Tringa melanoleuca*
Lesser Yellowlegs *Tringa flavipes*
Solitary Sandpiper *Tringa solitaria*
Willet *Catoptrophorus semipalmatus*
Spotted Sandpiper *Actitis macularia*
Upland Sandpiper *Bartramia longicauda*
Whimbrel *Numenius phaeopus*
Long-billed Curlew *Numenius americanus*
Hudsonian Godwit *Limosa haemastica*
Marbled Godwit *Limosa fedoa*
Ruddy Turnstone *Arenaria interpres*
Red Knot *Calidris canutus*
Sanderling *Calidris alba*
Semipalmated Sandpiper *Calidris pusilla*
Western Sandpiper *Calidris mauri*
Red-necked Stint *Calidris ruficollis*
Least Sandpiper *Calidris minutilla*
White-rumped Sandpiper *Calidris fuscicollis*
Baird's Sandpiper *Calidris bairdii*
Pectoral Sandpiper *Calidris melanotos*
Sharp-tailed Sandpiper *Calidris acuminata*
Purple Sandpiper *Calidris maritima*
Dunlin *Calidris alpina*
Curlew Sandpiper *Calidris ferruginea*
Stilt Sandpiper *Calidris himantopus*
Buff-breasted Sandpiper
Tryngites subruficollis
Ruff *Philomachus pugnax*
Short-billed Dowitcher *Limnodromus griseus*
Long-billed Dowitcher
Limnodromus scolopaceus
Common Snipe *Gallinago gallinago*
American Woodcock *Scolopax minor*
Wilson's Phalarope *Phalaropus tricolor*
Red-necked Phalarope *Phalaropus lobatus*
Red Phalarope *Phalaropus fulicaria*

Pomarine Jaeger *Stercorarius pomarinus*
Parasitic Jaeger *Stercorarius parasiticus*
Long-tailed Jaeger *Stercorarius longicaudus*
Laughing Gull *Larus atricilla*
Franklin's Gull *Larus pipixcan*
Little Gull (P) *Larus minutus*
Black-headed Gull *Larus ridibundus*
Bonaparte's Gull *Larus philadelphia*
Ring-billed Gull *Larus delawarensis*
California Gull (P) *Larus californicus*
Herring Gull *Larus argentatus*
Iceland Gull (P) *Larus glaucoides*
Lesser Black-backed Gull *Larus fuscus*
Glaucous Gull *Larus hyperboreus*

Great Black-backed Gull *Larus marinus*
Sabine's Gull (P) *Xema sabini*
Black-legged Kittiwake *Rissa tridactyla*
Ivory Gull *Pagophila eburnea*
Caspian Tern *Sterna caspia*
Royal Tern (P) *Sterna maxima*
Common Tern *Sterna hirundo*
Arctic Tern (P) *Sterna paradisaea*
Forster's Tern *Sterna forsteri*
Least Tern *Sterna antillarum*
Sooty Tern (P) *Sterna fuscata*
Black Tern *Chlidonias niger*
Black Skimmer *Rynchops niger*

Rock Dove *Columba livia*
Band-tailed Pigeon (P) *Columba fasciata*
Eurasian Collared Dove *Streptopelia decaocto*
Mourning Dove *Zenaida macroura*
Passenger Pigeon (X) *Ectopistes migratorius*
Common Ground-Dove *Columbina passerina*

Carolina Parakeet (X) *Conuropsis carolinensis*

Black-billed Cuckoo *Coccyzus erythropthalmus*
Yellow-billed Cuckoo *Coccyzus americanus*
Groove-billed Ani *Crotophaga sulcirostris*

Barn Owl *Tyto alba*
Eastern Screech Owl *Otus asio*
Great Horned Owl *Bubo virginianus*
Snowy Owl *Nyctea scandiaca*
Barred Owl *Strix varia*
Long-eared Owl *Asio otus*
Short-eared Owl *Asio flammeus*
Northern Saw-whet Owl *Aegolius acadicus*

Common Nighthawk *Chordeiles minor*
Chuck-will's-widow *Caprimulgus carolinensis*
Whip-poor-will *Caprimulgus vociferus*

Chimney Swift *Chaetura pelagica*

Ruby-throated Hummingbird
Archilochus colubris
Black-chinned Hummingbird
Archilochus alexandri
Anna's Hummingbird *Calypte anna*
Calliope Hummingbird *Stellula calliope*
Rufous Hummingbird *Selasphorus rufus*
Allen's Hummingbird *Selasphorus sasin*

Belted Kingfisher *Ceryle alcyon*

Red-headed Woodpecker
Melanerpes erythrocephalus
Red-bellied Woodpecker
Melanerpes carolinus
Yellow-bellied Sapsucker *Sphyrapicus varius*
Downy Woodpecker *Picoides pubescens*
Hairy Woodpecker *Picoides villosus*
Red-cockaded Woodpecker *Picoides borealis*
Northern Flicker *Colaptes auratus*
Pileated Woodpecker *Dryocopus pileatus*

Olive-sided Flycatcher *Contopus cooperi*
Eastern Wood-Pewee *Contopus virens*
Yellow-bellied Flycatcher
Empidonax flaviventris
Acadian Flycatcher *Empidonax virescens*
Alder Flycatcher *Empidonax alnorum*
Willow Flycatcher *Empidonax traillii*
Least Flycatcher *Empidonax minimus*
Eastern Phoebe *Sayornis phoebe*
Say's Phoebe *Sayornis saya*
Vermillion Flycatcher *Pyrocephalus rubinus*
Ash-throated Flycatcher (P)
Myiarchus cinerascens
Great Crested Flycatcher *Myiarchus crinitus*
Variegated Flycatcher *Empidonomus varius*
Western Kingbird *Tyrannus verticalis*
Eastern Kingbird *Tyrannus tyrannus*
Scissor-tailed Flycatcher *Tyrannus forficatus*

Loggerhead Shrike *Lanius ludovicianus*
Northern Shrike *Lanius excubitor*

White-eyed Vireo *Vireo griseus*
Bell's Vireo *Vireo bellii*
Yellow-throated Vireo *Vireo flavifrons*
Blue-headed Vireo *Vireo solitarius*
Warbling Vireo *Vireo gilvus*
Philadelphia Vireo *Vireo philadelphicus*
Red-eyed Vireo *Vireo olivaceus*

Blue Jay *Cyanocitta cristata*
American Crow *Corvus brachyrhynchos*
Fish Crow *Corvus ossifragus*
Common Raven *Corvus corax*

Horned Lark *Eremophila alpestris*

Purple Martin *Progne subis*
Tree Swallow *Tachycineta bicolor*
Violet-green Swallow **(P)** *Tachycineta thalassina*
Northern Rough-winged Swallow *Stelgidopteryx serripennis*
Bank Swallow *Riparia riparia*
Cliff Swallow *Petrochelidon pyrrhonota*
Barn Swallow *Hirundo rustica*

Carolina Chickadee *Poecile carolinensis*
Black-capped Chickadee *Poecile atricapillus*
Tufted Titmouse *Baeolophus bicolor*

Red-breasted Nuthatch *Sitta canadensis*
White-breasted Nuthatch *Sitta carolinensis*
Brown-headed Nuthatch *Sitta pusilla*

Brown Creeper *Certhia americana*

Rock Wren *Salpinctes obsoletus*
Carolina Wren *Thryothorus ludovicianus*
Bewick's Wren *Thryomanes bewickii*
House Wren *Troglodytes aedon*
Winter Wren *Troglodytes troglodytes*
Sedge Wren *Cistothorus platensis*
Marsh Wren *Cistothorus palustris*

Golden-crowned Kinglet *Regulus satrapa*
Ruby-crowned Kinglet *Regulus calendula*

Blue-gray Gnatcatcher *Polioptila caerulea*

Eastern Bluebird *Sialia sialis*
Veery *Catharus fuscescens*
Gray-cheeked Thrush *Catharus minimus*
Swainson's Thrush *Catharus ustulatus*
Hermit Thrush *Catharus guttatus*
Wood Thrush *Hylocichla mustelina*
American Robin *Turdus migratorius*
Varied Thrush *Ixoreus naevius*

Gray Catbird *Dumetella carolinensis*
Northern Mockingbird *Mimus polyglottos*
Brown Thrasher *Toxostoma rufum*

European Starling *Sturnus vulgaris*

American Pipit *Anthus rubescens*
Sprague's Pipit *Anthus spragueii*

Cedar Waxwing *Bombycilla cedrorum*

Blue-winged Warbler *Vermivora pinus*
Golden-winged Warbler *Vermivora chrysoptera*
Tennessee Warbler *Vermivora peregrina*
Orange-crowned Warbler *Vermivora celata*
Nashville Warbler *Vermivora ruficapilla*
Northern Parula *Parula americana*
Yellow Warbler *Dendroica petechia*
Chestnut-sided Warbler *Dendroica pensylvanica*
Magnolia Warbler *Dendroica magnolia*
Cape May Warbler *Dendroica tigrina*
Black-throated Blue Warbler *Dendroica caerulescens*
Yellow-rumped Warbler *Dendroica coronata*
Black-throated Gray Warbler *Dendroica nigrescens*
Black-throated Green Warbler *Dendroica virens*
Townsend's Warbler **(P)** *Dendroica townsendi*
Blackburnian Warbler *Dendroica fusca*
Yellow-throated Warbler *Dendroica dominica*
Pine Warbler *Dendroica pinus*
Kirtland's Warbler **(P)** *Dendroica kirtlandii*
Prairie Warbler *Dendroica discolor*
Palm Warbler *Dendroica palmarum*
Bay-breasted Warbler *Dendroica castanea*
Blackpoll Warbler *Dendroica striata*
Cerulean Warbler *Dendroica cerulea*
Black-and-white Warbler *Mniotilta varia*
American Redstart *Setophaga ruticilla*
Prothonotary Warbler *Protonotaria citrea*
Worm-eating Warbler *Helmitheros vermivorus*
Swainson's Warbler *Limnothlypis swainsonii*
Ovenbird *Seiurus aurocapillus*
Northern Waterthrush *Seiurus noveboracensis*
Louisiana Waterthrush *Seiurus motacilla*
Kentucky Warbler *Oporornis formosus*
Connecticut Warbler *Oporornis agilis*
Mourning Warbler *Oporornis philadelphia*
Common Yellowthroat *Geothlypis trichas*
Hooded Warbler *Wilsonia citrina*
Wilson's Warbler *Wilsonia pusilla*
Canada Warbler *Wilsonia canadensis*
Yellow-breasted Chat *Icteria virens*

Summer Tanager *Piranga rubra*
Scarlet Tanager *Piranga olivacea*
Western Tanager *Piranga ludoviciana*

Green-tailed Towhee *Pipilo chlorurus*
Spotted Towhee *Pipilo maculatus*
Eastern Towhee *Pipilo erythrophthalmus*
Bachman's Sparrow *Aimophila aestivalis*
American Tree Sparrow *Spizella arborea*
Chipping Sparrow *Spizella passerina*
Clay-colored Sparrow *Spizella pallida*
Field Sparrow *Spizella pusilla*
Vesper Sparrow *Pooecetes gramineus*
Lark Sparrow *Chondestes grammacus*
Lark Bunting *Calamospiza melanocorys*
Savannah Sparrow *Passerculus sandwichensis*
Grasshopper Sparrow
Ammodramus savannarum
Henslow's Sparrow *Ammodramus henslowii*
LeConte's Sparrow *Ammodramus leconteii*
Nelson's Sharp-tailed Sparrow
Ammodramus nelsoni
Fox Sparrow *Passerella iliaca*
Song Sparrow *Melospiza melodia*
Lincoln's Sparrow *Melospiza lincolnii*
Swamp Sparrow *Melospiza georgiana*
White-throated Sparrow
Zonotrichia albicollis
Harris' Sparrow *Zonotrichia querula*
White-crowned Sparrow
Zonotrichia leucophrys
Dark-eyed Junco *Junco hyemalis*
Lapland Longspur *Calcarius lapponicus*
Smith's Longspur *Calcarius pictus*
Snow Bunting *Plectrophenax nivalis*

Northern Cardinal *Cardinalis cardinalis*
Rose-breasted Grosbeak
Pheucticus ludovicianus
Black-headed Grosbeak
Pheucticus melanocephalus
Blue Grosbeak *Guiraca caerulea*
Indigo Bunting *Passerina cyanea*
Painted Bunting *Passerina ciris*
Dickcissel *Spiza americana*

Bobolink *Dolichonyx oryzivorus*
Red-winged Blackbird *Agelaius phoeniceus*
Eastern Meadowlark *Sturnella magna*
Western Meadowlark *Sturnella neglecta*
Yellow-headed Blackbird
Xanthocephalus xanthocephalus
Rusty Blackbird *Euphagus carolinus*
Brewer's Blackbird *Euphagus cyanocephalus*
Common Grackle *Quiscalus quiscula*
Shiny Cowbird *Molothrus bonariensis*
Brown-headed Cowbird *Molothrus ater*
Orchard Oriole *Icterus spurius*
Baltimore Oriole *Icterus galbula*
Bullock's Oriole *Icterus bullockii*

Pine Grosbeak **(P)** *Pinicola enucleator*
Purple Finch *Carpodacus purpureus*
House Finch *Carpodacus mexicanus*
Red Crossbill *Loxia curvirostra*
White-winged Crossbill *Loxia leucoptera*
Common Redpoll *Carduelis flammea*
Pine Siskin *Carduelis pinus*
American Goldfinch *Carduelis tristis*
Evening Grosbeak *Coccothraustes vespertinus*
House Sparrow *Passer domesticus*

LITERATURE CITED

AMERICAN ORNITHOLOGISTS' UNION. 1998. *Check-list of North American Birds*. 7th ed. Washington, D.C.

GREENE, M.A. 1997. Report of the Tennessee Bird Records Committee. ***Migrant*** 68: 94-95.

KNIGHT, R.L. 1993. Report of the Tennessee Bird Records Committee. ***Migrant*** 64: 53-57.

KNIGHT, R.L. 1996. Report of the Tennessee Bird Records Committee for 1995. ***Migrant*** 67: 37-42.

NICHOLSON, C.P. 1983. The official list of Tennessee birds. ***Migrant*** 54: 2-5.

NICHOLSON, C.P. and S.J. STEDMAN. 1988. The official list of Tennessee birds: Addendum I. ***Migrant*** 59: 1-4

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THE 1997 CHRISTMAS BIRD COUNT

by CHRISTOPHER J.E. WELSH

Reports were received from 25 counts conducted in Tennessee for the 1997-1998 Christmas Bird Count season. Over 750,000 individual birds representing 158 species were counted (Table 1). This was 15 more species than reported in the 1996 Christmas Count. A relatively mild winter probably accounted for the presence of a number of species not normally found in Tennessee this late in the year. Eighteen species were represented by only one individual; 31 species were reported from only a single count. Species of note included Red-throated Loon, Red-necked Grebe, Eared Grebe, Great Egret, Mute Swan, Brant, Black Scoter, Oldsquaw, Broad-winged and Swainson's Hawk, Prairie Falcon, Virginia Rail, Spotted Sandpiper, Dunlin, Lesser Yellowlegs, Forster's Tern, Eurasian Collared Dove, four hummingbirds (Ruby-throated, Black-chinned, Calliope, and Allen's), an *Empidonax* and a Great Crested Flycatcher, swallows, Fish Crow, two vireos (White-eyed and Blue-headed), five warblers (including Orange-crowned, Black-and-white, and Palm), White-winged and Red Crossbills, Lapland Longspur, and Snow Bunting. Red-breasted Nuthatches, Purple Finches, and Pine Siskins were well represented across the state, and crossbills and Evening Grosbeaks were recorded in several counts.

The highest species totals were observed on the Reelfoot and Chattanooga counts, with 112 species recorded on count day (Table 1). Seven additional species were found within the Reelfoot circle during count week. The Savannah, Hiwassee, and Nickajack Lake counts also cracked the 100 species threshold for count day. Counts in east Tennessee generally reported lower numbers than those in west Tennessee, with Roan Mountain and Shady Valley reporting the lowest numbers. Nineteen of the 21 counts with results for both 1996 and 1997 reported more species in 1997, and five of these exceeded their 1996 total by 10 or more species.

Two hundred ninety-eight people participated in this year's counts. The Chattanooga count had the greatest number of participants (34), followed closely by Nashville, Knoxville, Hiwassee, and Memphis (Table 2). Chattanooga and Memphis also tallied the most party hours. Three counts included birding by boat as part of their effort. Twenty of the 25 counts spent at least some time owling. A new count was started in Fayette County.

INFORMATION ON THE COUNTS

BRISTOL: 28 Dec.; 0530-1730. Weather: cloudy; wind NW 0-5 mph; temp. 25-38°F; 1-2" of snow on ground; open water. Fourteen observers in 6 parties put in 53 party hours and covered 388 party miles. In addition, 5 hours and 35 miles effort went into owling. 81 species; 9,341 individuals. Participants: Rob Biller, Janet Brown, Jennifer and Emily Burkey, Ron Carrico, Wallace Coffey, Sarah Garrett, Ken Hale, Rick Knight, Tom Laughlin, Phillip Lewis, Richard Lewis (compiler: 407 V.I. Ranch Road, Bristol, TN 37620), Amanda Martin, and Van Remsen. The Allen's Hummingbird was the first record of this species for the state of Virginia pending acceptance by the Virginia records committee (the Bristol count includes parts of both Tennessee and Virginia). Blue-headed Vireo was a first record for the Bristol count. Other highlights include Eared Grebe, Double-crested Cormorant, Oldsquaw, Common Goldeneye, Bald Eagle, Fox Sparrow, Swamp Sparrow, and Brewer's Blackbird.

BUFFALO RIVER (35° 18'N, 87° 28'W): 26 Dec.; 0630-1700. Weather: cloudy with light rain / snow in afternoon; wind NW 0-10 mph; temp. 36-43°F; open water. Thirteen observers in 5 parties put in 48 party hours and covered 258 party miles. In addition, 1.5 hours and 3.5 miles effort went into owling. 77 species; 6,948 individuals. Participants: Michael Beuerlein, Connie Holman, Chester and Dorothy McConnell, Royce Neidert, Donette Sellers, Matthew Sides, Don Simbeck (compiler: 424 Riddle Lane, Loretto, TN 38469), Levi Townsend; Alex, Becky, Morris, and Rita Williams.

CHATTANOOGA (35° 06'N, 85° 14'W): 20 Dec.; 0730-1730. Weather: wind N 0-10 mph; temp. 36-63°F; open water; no snow. Thirty-four observers in 14 parties put in 116 party hours by foot, car, and boat and covered 544.5 party miles. In addition 10.5 hours and 70.6 miles effort went into owling and 2 hours into feeder watching. 112 species; 66,636 individuals. Participants: Chappell and Ralph Brown, Mary Lynn Buttram, Kevin Calhoon, Janice Chadwell, David Chaffin, Carla Christensen, Sally Clark, Jack Colcolough, Tom Crittenden, William Haley, John Henderson (compiler: 7323 Fairington Circle, Hixson, TN 37343), Dan Jacobson, Al Jenkins, Bonnie and Dawn Johnson, Jonnie Sue Lyons, Barbara and Mike McMahan, Tom Patton, Don Ritzhaupt, Peter Robinson, Tommie Rogers, Rebecca Rudd, Debbie and Roi Shannon, David Vogt; Blake, Cynthia, and Jimmy Wilkerson; Dan Williams, Hayden Wilson, and Libby Wolfe. Noteworthy species included 1 Snow Goose, 4 Black Scoters, 1 Broad-winged Hawk, 2 Forster's Terns, 3 Eurasian Collared Doves, 1 Great Crested Flycatcher, 2 Sedge Wrens, 1 Marsh Wren, 1 White-eyed Vireo, 1 Blue-headed Vireo, and 1 Orange-crowned Warbler. Notable by numbers were 34 Common Loons and 35 Pine Siskins.

CLARKSVILLE (36° 30'N, 87° 23'W): No report.

COLUMBIA (35° 36'N, 87° 10'W): 20 Dec.; 0500-1630. Weather: wind S 0-5 mph; temp. 38-58°F; open water; no snow; cloudy. Nine observers in 5 parties in the field plus two at feeders. Party hours in the field totaled 43.5 and covered 373 miles. Participants also logged 9 hours at feeders and covered 18 miles in 6.5 hours of owling. 92 species; 6,700 individuals. Participants: Bob and Janet Brown, Tom Edwards, William Fuqua, William Jernigan, Allyn Lay, Anne and Bedford Lochridge, and George (compiler: 999 Sunnyside Dr., Columbia, TN 38401) and Cleo Mayfield. Notable species on this years count included 2 Snow Geese (1 blue form), a Redhead, a Virginia Rail, and a Vesper Sparrow.

COOKEVILLE (36° 09'N, 85° 28'W): 20 Dec.; 0145-1645. Weather: wind SW 0-5 mph; temp. 42-60°F; sky partly cloudy in the morning followed by a clear afternoon. Sixteen observers in 6 parties put in 52.5 hours and 430 party miles. The count also included 6 hours and 71 miles owling. 73 species plus 7 count week; 8107 individuals. Participants: Heather Bolte, Ginger Ensor, Graham and Holly Kash, Amy Mercer, Lynda Perry, Thomas Roberts, Joanne Schaefer, Jeanne Schmitzer, Richard Simmers, Barbara and Stephen Stedman (compiler: 2675 Lakeland Dr., Cookeville, TN 38506), David Sugeno, Kim Tarter, Catherine and Winston Walden. Notes: This marked the 35th annual Cookeville count. An Orange-crowned Warbler during the count and Common Loons during count week were new species, not found on any of the previous 34 counts. Other notable species included 2 Northern Pintail, 7 American Coots, and a Palm Warbler. Both warblers represent first Putnam

Co. winter records. A Bald Eagle observed during count week was only the 6th record for Putnam County and only the 2nd record for the Christmas count. Eight species (Common Loon, Canada Goose, Carolina Chickadee, White-breasted Nuthatch, Golden-crowned Kinglet, and Orange-crowned, Yellow-rumped, and Palm Warblers) were observed in record numbers on this count. Notable for low numbers included Loggerhead Shrike (missed on count day for first time in over 10 years), Northern Mockingbird (lowest number in over 10 years), and Eastern Meadowlark.

CROSS CREEKS N.W.R. (36° 28'N, 87° 45'W): 3 Jan.; 0700-1630. Weather: wind SW 10-15 mph; temp. 55-60°F; sky partly cloudy in the morning and afternoon. Fourteen observers in 6 parties put in 55.5 hours and 351 party miles. 69 species + 1 CW; 10,854 individuals. Participants: Margarette Blanton, Joe Casey, Lorine Dodd, Susan Eberly, Jack Foddrill, Debbie and Steve Hamilton, Blake Hunt, Abigail Kimmel, Madge Lawrence, Joyce North, Sarah Welker (compiler: 643 Wildlife Rd, Dover TN 37058), and Christine and Clarence Wilson. Notable species include Brant, Redhead, 3 Bald Eagles + 2 more CW, Lincoln's Sparrow, and, by its absence, Loggerhead Shrike.

DRESDEN (36° 17'N, 88° 42'W): No report.

ELIZABETHTON (36° 20'N, 82° 08'W): 20 Dec.; 0615-1715. Weather: wind W 0-5 mph, gusty at high elevations; temp. 24-57°F; sky partly cloudy. Sixteen observers in 5 parties put in 43 party hours and 258 party miles plus 2 hours and 6 miles of owling. 70 species; 4052 individuals. Participants: Fred Alsop, Ed Burke, Wallace Coffey, Gilbert Derouen, David Fenner, Reece Jamerson, Brian Jones, Rick Knight (compiler: 804 N. Hills Dr., Johnson City 37604), Charles Moore, Kevin Pierce, Michelle Price, Bryan Stevens, Glenn Swofford, Allan Trently, Gary Wallace, and Frank Ward. Red-throated Loon was observed for only the 2nd time on this count. White-eyed Vireo was observed for the first time on count day; previously this species had been recorded during a count week. The House Wren was only the 9th occurrence for this count.

FAYETTE COUNTY: 3 Jan. Weather: temp. 51-68°F; wind S 10 mph; sky partly cloudy. Eleven observers in 5 parties were in the field for 39 party hours and 255 party miles plus 1 hour and 1 mile owling. 74 species; 8860 individuals. Participants: not provided. Compiler: Richard Whittington, 338 Williamsburg Lane Memphis, TN 38117. Interesting birds included 4 Pine Warblers and a Lincoln's Sparrow. Not found were Gray Catbird, Lapland Longspur, Barn Owl, and Eastern Screech Owl. This was the first year for the Fayette County count which includes the historic Ames Plantation and the Beasley tract along the Wolf River.

GREENEVILLE: 3 Jan.; 0530-1830. Weather: wind calm; temp. 23-60°F; sky clear to mostly clear. Water partially frozen. Fifteen observers in 9 parties covered 207.2 party miles in 37 party hours by car, on foot, and by boat. Time was also spent owling (0.75 hrs) and at feeders (25.5 hrs, 4 additional observers). 76 species; 5622 individuals. Participants: Ben, Mark, and Phine Britton; King and Margaret Gaut, Bruce Grimes; B.D. Barbara, Carrie, and Henrietta Holt; Jim Holt (compiler: 311 Colonial Circle, Greeneville, TN 37745), Rick Knight, Alice Loftin, Don Miller, Velda Ruth Moore, Richard and Willie Ruth Nevius, Helen Reed, and Virginia Williams. The 76 species recorded this year tied the high for the past decade in this count.

Good birds included Ruddy Duck (2), Rough-legged Hawk (1), Merlin (1), Wild Turkey (15), a "woodpecker grand slam," Horned Lark (2), Red-breasted Nuthatch (8), House Wren (1), Brown Thrasher (2), and Purple Finch (10). The 118 Eastern Bluebirds was a new high number. Disappointing misses included Evening Grosbeak, Pine Siskin, and Brown Creeper.

GREAT SMOKY MOUNTAINS N.P. (35° 43'N, 83° 29'W): 28 Dec.; 0630-1500. Weather: temp. 25-40°F; wind calm; sky clear. Seventeen birders in 8 parties covered 143.3 party miles in 42.5 party hours and put in 0.5 hours and 3 miles owling. 57 species; 1575 individuals. Participants: Marcia Davis, Linda and Samuel Fowler, Maurice Grigsby, Jerry Hadder, Angela Harding, Paul Hartigan, Tony Headrick, Susan Hoyle, Kristine Johnson, Joel Keebler, Nathan Klaus, Barbara Mandrus, Martha Rudolph, Susan Schott, Boyd Sharp, and David Trently (compiler: 1029 Morrow Dr., Knoxville, TN, 37923-1725). Highlights of the count included a Black-crowned Night-heron, a Blue-headed Vireo, and 151 Evening Grosbeaks. Road conditions prevented birding at high elevations, so species such as Black-capped Chickadee were missed.

HICKORY-PRIEST (36° 12'N, 86° 40'W): 1 Jan.; 0530-1730. Weather: temp. from 30s to 50s°F; partly cloudy skies, no rain or snow. Eleven observers in 5 parties logged 43 party hours and 344.75 party miles. Observers also covered 17 miles in 3.5 hours of owling. 88 species plus 1 count week; 78,092 individuals. Participants: Ed Byrne, Paul Cambre, Hazel Cassel, Phillip Casteel, Beth Creighton, Jerry Drewry, Joe Francis, Polly Rooker, Chris Sloan (compiler: 1410 25th Ave S., Apt. #610, Nashville, TN 37212), Joe Stone, and Sabin Thompson. Noteworthy sightings included 15 Greater Scaup, 1 Peregrine Falcon, 4 Red-breasted Nuthatches, 1 Orange-crowned Warbler, 7 Chipping Sparrows, 202 Rusty Blackbirds, 3 Pine Siskins, and 1 Calliope Hummingbird. The Calliope Hummingbird may be a North American Christmas Bird Count first!

HIGHLAND RIM: 1800 26 Dec-1800 27 Dec. Weather: temp. 32-40°F; sky cloudy with a.m. snow flurries; open water. Sixteen observers in 9 parties birded over 31 party hours and covered over 56.6 party miles. 65 species; 7,702 individuals. Participants: John Bruner, Tom Burleson Jr. and Sr., David Burleson; Van Lisa, and Carole Colebank; Glen Estep, Mark Kelly, John Lamb, Ruth Luckado, Phil and Nicky Medley, Erma Rogers (compiler: 161 Roscoe Lynn Rd., Hillsboro, TN 37342), Quincy Styke, and Stewart White. Species found included Ruddy Duck, Loggerhead Shrike, Pine Warbler, and White-crowned Sparrow.

HIWASSEE (35° 22'N, 84° 54'W): 1 Jan.; 0600-1800. Weather: temp. 18-46°F; sky clear, wind calm. Twenty-six observers in 9 parties combined for 76 party hours (plus 3.5 owling) and 297 party miles (plus 51 owling) by foot, car, and boat. 102 species; 19,873 individuals. Participants: Nelson Bennett, Clyde Blum, Mary Lynn Buttram, Kevin Calhoon (compiler: 1185 Mountain Creek Rd., Apt. 715, Chattanooga, TN 37405), Janice Chadwell, Carla Christenson, Tom Chittenden, Jenni Frakenberg, Danny Gaddy, Bill Haley, John Henderson, Bonnie Johnson, Laura Mitchell, Johnny Parks, Tommie Rogers, Rebecca and Robin Rudd, Debbie and Roi Shannon, Boyd Sharp, David Trently, John Upchurch, Chris Welsh, Caleb Wiese, and Hayden Wilson. The species count of 102 was the highest in many years, perhaps partly due to the high number of observers. Presence of irruptive species such

as Pine Siskins increased the species number. Blue-headed Vireo and Marsh Wren were good finds, and the dark-phase Swainson's Hawk sighting has been submitted to the Tennessee Bird Records Committee. The number of Sandhill Cranes observed has continued to increase, and "puddle duck" numbers were also up. Missed but probably present was American Woodcock.

JACKSON (35° 37'N, 88° 49'W): 27 Dec.; 0600-1730. Weather: wind SW 5-10 mph; temp. 25-45°F. Five observers took the field in 3 parties putting in 31 party hours and covering 257.8 party miles. Observers also spent 0.5 hours and 2 miles owling. 84 species (plus 2 count week); 70,035 individuals. Participants: Bob Ford, Mark Greene (compiler: 81 Trenton Hwy, Humboldt, TN 38343), Rick Light, and Bill and Joyce Reinke. Common Merganser and Bufflehead were new species for the count. Fish Crows have become regular in winter at a large crow roost in Jackson. The Jackson count was the only Tennessee count reporting Fish Crows on count day (Reelfoot reported them during count week).

KINGSPORT: 31 Dec.; 0645-1715. Weather: wind W-NW 5-15 mph; temp. 23-29°F; sky mostly cloudy with intermittent snow flurries; 2-4" of snow. Eight observers in 3 parties put in 23 party hours plus 0.5 hours owling. 67 species plus 6 CW; 4129 individuals. Participants: Janet Brown, Greg Church, Teresa Hutson-Feliu, Rick Knight (compiler: 804 N. Hills Dr., Johnson City 37604), Greg McConnell, Emily Sikora, Arthur Smith, and Howard Young. Notable species included Common Loon, count week Double-crested Cormorant, Greater Scaup, Common Goldeneye, Red-headed Woodpecker, and Loggerhead Shrike.

KNOXVILLE (35° 55'N, 84° 05'W): 4 Jan. Weather: light variable wind; temp. 35-61°F; sky mostly sunny. 84 species; 12,421 individuals. Twenty-seven observers in 12 parties birded 65.7 hours and covered 351 miles. They also spent 2 hours at feeders and 0.5 hours and 0.2 miles owling. Participants: Jane Beintema, Frank Bills, Betty Reid Campbell, Jim Campbell, Marcia Davis, Dean Edwards, Paul Hartigan, Tony Headrick, Ron Hoff, Susan Hoyle, Kris Johnson, Dev Joslin, Joel Keebler, Dolly Ann Myers, Chuck Nicholson, Holly Overton, Karen Petrie, Martha Rudolph, Mike Ryon, Beth Schilling, Susan Schott, Boyd Sharp, Christine and Roger Tankersley, Allan and David Trently, and Melinda Winters. Compiler: Audrey R. Hoff, 4523 McCloud Rd., Knoxville, TN 37938. The Knoxville count was the only count to report Great Egret and Black-and-white Warbler. Also of note was a single Gray Catbird, one of only 3 reported across the state.

LEBANON: No report.

MEMPHIS (35° 09'N, 89° 56'W): 21 Dec.; 0600-1730. Weather: temp. 43-54°F; wind east up to 46 mph; sky cloudy with heavy rain; no snow, open water. Twenty-six observers took to the field in 10 parties covering 221 miles in 116.5 party hours. 92 species; 67, 434 individuals. Participants: Carolyn Bullock, Fred Carney, Lula Coffey, Theresa Cross, Jim and Sue Ferguson, Bob Ford, Harry Gayden, Van Harris, Martha Heinemann, Bob Ilardi, Margaret Jefferson, Keith Kunkel, Selma Lewis, Knox Martin, Sarah McBryde, George Payne, Rob Peeples, Gaynell Perry, Dick Preston, Ernie Restivo, Virginia Reynolds, Martha Waldron (compiler: 1626 Yorkshire Dr., Memphis, TN 38119), Barbara Wilson, and John and Linda Zempel. This was the 70th continuous count conducted by members of the Memphis Chapter of the Tennessee Ornithological Society. Notable species included the only Mute Swans

(4) reported, a Spotted Sandpiper, and Lincoln's Sparrow (2).

MURFREESBORO: 3 Jan. Weather: windy, sunny, and warm with temp. 50-60°F. Seven observers in 4 parties were in the field 23.75 party hours and covered 197 party miles. Seven feeder watchers in 4 parties observed for an additional 17 hours. 64 species; 9074 individuals. Participants: Bertha Christzberg, Richard Hunter, Wilma Hunter (compiler: 3659 Wilson Overall Rd, Murfreesboro, TN 37127-7598), Dan and Mary Ann Jackson, David McCarroll, Matt and Jane Newberg, Pat and Robert Sanders, Ferrell Wilson, and Terry Witt. Species of note: Snow Goose (2), Redhead (6), and Rusty Blackbird (20).

NASHVILLE (36° 03'N, 86° 56'W): 20 Dec.; 0530-1700. Weather: temp. 44-63°F; wind north 0-9 mph; sky clear to partly cloudy. Thirty-three observers in 9 parties spent 68.25 party hours in the field, covering 304.5 party miles. In addition 2.5 hours and 10.5 miles were expended owling, and 9 feeders were watched. 88 species plus one count week and one unidentified flycatcher; 22,169 individuals. Participants: Sandy Bivens, Jean Buchanan, Ed Byrne, Drake Caldwell, Phillip Casteel, Ralph Cazort, Richard Connors, Beth Creighton, Debbie Dreves, Frank Fekel, Ed Gleaves, Boyd Goss, Barbara Harris, Bob Hatcher, Susan Hollyday, Barry Jernigan, Linda Kelly, Sue Marden, Gail Miller, Daniel Moss, Elizabeth OConnor, Bob Parrish, Kim Phillips, Polly Rooker, Jan Shaw (compiler: 5019 Timberhill Dr., Nashville, TN 37211-4333), Chris Sloan, Bob Van Kirk, Rita Venable, Cless Vinson, Shannon Walters, John Walton, Melinda Welton, and Mary Zimmerman. The Nashville hummers got a lot of press this winter and were cooperative enough to appear on count day. A Black-chinned Hummingbird and a Ruby-throated Hummingbird were observed. Both had been banded by Bob and Martha Sargent prior to count day. Other birds of note include an unidentified *Empidonax* flycatcher, a Gray Catbird, and a count week White-winged Crossbill. The species total was the highest since the count circle was formed in 1966.

NICKAJACK (35° 04'N, 85° 31'W): 3 Jan. Weather: temp. 27-65°F; wind variable 0-5 mph; mostly sunny. Twenty observers in 8 parties spent 79.75 party hours traversing 399.5 party miles. In addition 5.75 hours and 78.5 miles were spent owling. 100 species plus swallow spp. plus one count week; 30,918 individuals. Participants: Koyle Blevins, David Chaffin, Jerry Drewry, Danny Gaddy, Bill Haley, John Henderson, Dan and Kathy Jacobson, Bonnie Johnson, Starr Klein, Laura Mitchell, Johnny Parks (compiler: 164 McDonald Dr., Ringgold, GA 30736-7213), George Parsley, Tommie Rogers, Rebecca and Robin Rudd, Joe Stone, Sabin Thompson, David Vogt, and Hayden Wilson. This was the 13th annual count for Nickajack Lake. The Mourning Dove count was a record low while record high counts were reported for American Crow, American Pipit, and Brown-headed Cowbird. Northern Harrier was missed for only the second time in 13 years; Wild Turkey and White-eyed Vireo were observed for only the first and second time, respectively. Also a first record were the *swallow spp.* reported, the only swallows reported during the count period across the whole state. Although most likely these were Tree Swallows, the observers were unable to make a positive identification. A Peregrine Falcon was also noteworthy. Counting the swallows, the tally of 101 species ties for the second most ever with the record at 102 species.

NORRIS (36° 13'N, 84° 05'W): 20 Dec.; 0600-1700. Weather: temp. 31-55°F; wind NW 0-5 mph; sky clear. Thirteen observers in 7 parties birded 54.5 party hours

covering 324 party miles plus 2.5 hours and 5 miles of owling. 70 species plus one count week; 5601 individuals. Participants: Dean Edwards, David Hankins, Tony Headrick, Audrey Hoff, Susan Hoyle, Dev Joslin, Joel Keebler, Nathan Klaus, Charles Nicholson (compiler: Box 402, Norris, TN 37828), Martha Rudolph, Boyd Sharp, David Trently, and Chris Welsh. Good numbers of Red-breasted Nuthatches (34) and Purple Finch (25) were observed. Other sightings included Bald Eagle (4), Red-headed Woodpecker, and Palm Warbler (2).

REELFOOT LAKE (36° 25'N, 89° 23'W): 20 Dec.; 0500-1800. Weather: temp. 35-45°F; wind N 5-20 mph. Thirteen observers took the field by foot, boat, and car in 4 parties, covering 258 party miles in 41 party hours. One hour and 5 miles were spent owling. 111 species plus 7 count week and an unidentified night-heron; 93,982 individuals. Participants: Jerry Drewry, Bob Foehring, Mark Greene (compiler: 81 Trenton Hwy, Humboldt, TN 38343), Joe Guinn, Paul Hertzel, Rebecca Irwin, Nancy Moore, David Nailling, Joe Stone, Sabin Thompson, Jeff Wilson, and John and Linda Zempel. Pine Warbler and Snow Bunting were new species for the Reelfoot count. Red-necked Grebe was recorded for only the second time. Several species once considered rare on the Reelfoot count have become regular when sufficient effort is spent looking for them: Greater Scaup, Short-eared Owl, House Wren, Marsh Wren, LeConte's Sparrow, and Lapland Longspur. Count week Prairie Falcon and Orange-crowned Warbler were also good sightings.

ROAN MOUNTAIN (36° 06'N, 82° 07'W): 21 Dec.; 0630-1715. Weather: wind E 0-10 mph, but 15-20 mph above 5500'; temp. 27-46°F; sky cloudy with fog above 5500'; patches of snow above 5000'. Eleven observers in 3 parties covered 140 party miles in 25 party hours and put in 1 hour and 1 mile owling. 48 species; 802 individuals. Participants: Fred Alsop, David Fenner, Jacki Hinshaw, Lisa Jones, Rick Knight (804 N. Hills Dr., Johnson City 37604), Jennifer and Tom Laughlin, Larry McDaniel, Bryan Stevens, Allen Trently, and Gary Wallace.

SAVANNAH (35° 08'N, 88° 09'W): 2 Jan.; 0400-1730. Weather: temp. 39-59°F; wind S 5-25 mph; sky partly cloudy. Ten observers in 6 parties put in 60.5 party hours and 464.8 party miles plus 3.5 hours and 35.3 miles owling. 102 species; 201,207 individuals. Participants: Michael Beuerlein, Jeff Garner, Mark Greene, Francis and Gary Markine, Sean and Steve McConnell, Elizabeth and Floyd Sherrod, and Damien Simbeck (compiler: 4905 County Rd. 33, Killen, AL 35645). Highlights included Merlin, Sedge Wren, Marsh Wren, Gray Catbird, Palm Warbler, and Lincoln's Sparrow.

SHADY VALLEY: 27 Dec.; 0720-1700. Weather: temp. low to mid-30s, overcast with light snow all day, 1-4 inch accumulation. Thirteen observers in 5 parties birded 38.5 party hours covering 224.2 party miles. 53 species; 4245 individuals. Participants: Rob Biller, Janet Brown, Ron Carrico, Wallace Coffey, Glenn Eller, Rick Knight, Tom (compiler: 124 Sugar Hollow Ridge Rd., Roan Mountain, TN, 37614) and Jennifer Laughlin, Richard Lewis, Dennis Testerman, David and Ben Walters, and Paul Wharton. Notable were 25 Red Crossbills.

WARREN COUNTY (35° 40'N, 85° 46'W): No report.

1997 Christmas

Species	Memp	Reel	FayCo	Jack	Sav	CCNWR	BuffR	Colum	Nash	Hick-Pr	Murf	HighR	NickL
Common Loon	-	1	-	-	5	-	CW	-	1	48	-	11	12
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-	-	-
Pied-billed Grebe	40	24	3	10	48	17	10	25	8	117	1	39	184
Horned Grebe	-	7	-	-	5	-	-	-	-	107	-	5	11
Eared Grebe	-	-	-	-	-	-	-	-	-	-	-	-	-
Red-necked Grebe	-	2	-	-	-	-	-	-	-	-	-	-	-
Dbl-crested Cormorant	30	107	-	-	1	-	1	4	-	1	-	-	24
Great Blue Heron	53	50	12	13	65	104	11	25	11	68	12	8	57
Great Egret	-	-	-	-	-	-	-	-	-	-	-	-	-
Blk-crowned Night-heron	-	-	-	-	-	-	-	-	-	34	-	-	-
Night-heron sp.	-	1	-	-	-	-	-	-	-	-	-	-	-
Mute Swan	4	-	-	-	-	-	-	-	-	-	-	-	-
Gr. White-fronted Goose	-	125	-	-	-	-	-	-	-	-	-	-	-
Snow Goose (blue)	-	-	-	-	-	3	-	1	-	-	-	-	-
Snow Goose (white)	-	-	-	-	-	2	-	1	-	-	-	-	-
Snow Goose (unspecified)	-	CW	-	-	-	-	-	-	-	1	2	-	-
Brant	-	-	-	-	-	3	-	-	-	-	-	-	-
Canada Goose	195	2332	89	5	32	4446	180	1400	93	590	250	492	110
Wood Duck	91	31	17	7	3	6	-	3	2	-	3	2	18
Green-winged Teal	8	33	-	-	-	10	-	20	-	-	-	4	-
American Black Duck	2	35	-	1	1	127	-	10	3	3	-	4	2
Mallard	1223	52075	29	354	122	1630	27	166	73	443	20	74	147
Northern Pintail	10	37	-	12	2	49	-	-	-	-	1	-	-
Blue-winged Teal	12	4	-	-	-	-	-	-	-	-	-	-	-
Northern Shoveler	72	113	-	38	1	1	-	28	14	16	-	15	-
Gadwall	280	3747	10	7	7	126	CW	281	85	82	2	22	360
American Wigeon	207	34	-	2	2	212	10	424	26	-	-	-	26
Canvasback	8	5	-	8	-	-	-	104	64	-	-	-	-
Redhead	9	4	-	-	-	2	-	1	-	-	6	-	1
Ring-necked Duck	326	73	-	39	16	597	CW	249	112	-	5	135	73
Greater Scaup	-	4	-	-	-	-	-	-	-	15	-	-	2
Lesser Scaup	552	2146	-	-	20	-	CW	63	64	25	-	3	36
Scaup sp.	-	300	-	-	-	-	-	-	-	-	-	-	-
Oldsquaw	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Scoter	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Goldeneye	-	8	-	-	9	-	-	1	1	6	-	-	22
Bufflehead	1	69	-	5	5	-	-	1	39	12	4	62	43
Hooded Merganser	73	41	-	6	-	82	-	2	-	18	-	440	14
Common Merganser	-	1	-	1	-	-	-	-	-	-	-	-	-
Red-breasted Merganser	-	CW	-	-	-	-	-	-	-	3	-	-	1
Ruddy Duck	11	3073	-	-	-	-	-	37	5	15	-	2	62
Duck sp.	-	-	-	-	2	-	-	-	-	-	-	-	-
Black Vulture	-	34	26	7	2	66	91	56	55	20	90	22	112
Turkey Vulture	1	2	124	10	26	38	94	1	27	2	-	24	25
Bald Eagle (total)	-	114	-	-	5	3	-	-	-	-	-	-	5
Bald Eagle (adult)	-	60	-	-	3	3	-	-	-	-	-	-	4
Bald Eagle (imm.)	-	54	-	-	1	-	-	-	-	-	-	-	1
Northern Harrier	8	5	10	3	15	2	9	4	3	3	4	4	-
Sharp-shinned Hawk	2	2	1	-	5	1	1	4	4	9	-	-	5
Cooper's Hawk	3	2	-	3	2	-	2	3	9	3	2	1	5
Accipiter sp.	-	-	-	-	-	-	1	-	-	-	-	-	-
Red-shouldered Hawk	1	4	8	6	16	9	3	4	4	5	-	-	9
Broad-winged Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-
Red-tailed Hawk	42	46	40	38	21	18	30	32	47	32	12	13	39
Rough-legged Hawk	-	-	-	-	-	-	-	1	-	-	-	-	-
Swainson's Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-
Buteo sp.	-	-	-	-	-	-	3	-	-	-	-	-	-
American Kestrel	28	24	11	35	12	2	27	21	31	23	40	14	12
Merlin	-	-	-	-	1	-	1	-	-	-	-	-	-
Peregrine Falcon	-	-	-	-	-	-	-	-	-	1	-	-	1
Prairie Falcon	-	CW	-	-	-	-	-	-	-	-	-	-	
Ruffed Grouse	-	-	-	-	-	-	-	-	-	-	-	-	-

Bird Count

Species	Cooke	Chatt	Hiwas	Knox	GSMNP	Norris	Greene	Kpt	Eliz	Bris	Roan	Shady	Total
Common Loon	CW	34	3	1	-	-	-	3	3	3	-	-	129
Red-throated Loon	-	-	-	-	-	-	-	-	1	-	-	-	1
Pied-billed Grebe	3	72	28	59	-	5	2	21	7	49	-	-	772
Horned Grebe	CW	24	1	27	-	-	-	-	9	3	-	-	199
Eared Grebe	-	-	-	-	-	-	-	-	-	3	-	-	3
Red-necked Grebe	-	-	-	-	-	-	-	-	-	-	-	-	2
Double-crested Cormorant	-	2	121	10	-	-	-	CW	-	1	-	-	302
Great Blue Heron	13	137	131	62	4	15	13	8	8	28	1	2	911
Great Egret	-	-	-	1	-	-	-	-	-	-	-	-	1
Black-crowned Night-heron	-	-	-	2	1	-	-	9	-	-	-	-	46
Night-heron sp.	-	-	-	-	-	-	-	-	-	-	-	-	1
Mute Swan	-	-	-	-	-	-	-	-	-	-	-	-	4
Greater White-fronted Goose	-	-	-	-	-	-	-	-	-	-	-	-	125
Snow Goose (blue)	-	-	-	-	-	-	-	-	-	-	-	-	4
Snow Goose (white)	-	1	-	-	-	-	-	-	-	-	-	-	4
Snow Goose (unspecified)	-	-	-	-	-	-	-	-	-	-	-	-	3
Brant	-	-	-	-	-	-	-	-	-	-	-	-	3
Canada Goose	440	912	325	425	-	244	273	210	158	541	-	104	13846
Wood Duck	1	55	10	24	3	-	-	-	1	-	-	-	277
Green-winged Teal	-	76	6	2	-	4	5	-	-	-	-	-	168
American Black Duck	-	9	725	-	-	-	26	4	6	9	-	-	967
Mallard	19	338	2261	124	100	103	41	500	249	700	22	45	60885
Northern Pintail	2	2	18	-	-	-	-	3	-	-	-	-	136
Blue-winged Teal	-	-	-	-	-	-	-	-	-	-	-	-	16
Northern Shoveler	-	29	13	-	-	-	-	7	-	2	-	-	349
Gadwall	12	305	73	88	-	-	67	65	-	28	-	-	5647
American Wigeon	-	20	84	-	-	-	-	4	1	98	-	-	1150
Canvasback	-	-	-	-	-	-	-	-	-	-	-	-	189
Redhead	-	-	-	-	-	-	-	-	-	-	-	-	23
Ring-necked Duck	1	52	12	18	-	2	4	16	27	97	-	-	1854
Greater Scaup	-	1	4	-	-	-	-	4	-	-	-	-	30
Lesser Scaup	1	8	3	-	-	-	2	13	-	1	-	-	2937
Scaup sp.	-	-	-	-	-	-	-	-	-	-	-	-	300
Oldsquaw	-	-	-	-	-	-	-	-	-	1	-	-	1
Black Scoter	-	4	-	-	-	-	-	-	-	-	-	-	4
Common Goldeneye	-	45	12	-	-	-	-	1	-	1	-	-	106
Bufflehead	CW	33	19	2	-	-	-	4	105	227	-	-	651
Hooded Merganser	21	28	53	6	-	-	-	1	8	63	2	-	858
Common Merganser	-	-	1	-	-	-	-	-	-	-	-	-	3
Red-breasted Merganser	-	4	-	-	-	-	-	-	-	-	-	-	8
Ruddy Duck	-	-	-	-	-	10	2	3	-	3	-	-	3223
Duck sp.	-	-	-	-	-	-	-	-	-	-	-	-	2
Black Vulture	CW	189	37	3	-	CW	69	45	9	27	-	-	960
Turkey Vulture	19	357	30	9	8	12	58	57	10	13	1	-	948
Bald Eagle (total)	CW	9	16	1	-	4	-	1	-	1	-	-	159
Bald Eagle (adult)	-	6	9	-	-	2	-	1	-	-	-	-	88
Bald Eagle (imm.)	-	3	7	-	-	2	-	-	-	-	-	-	68
Northern Harrier	-	2	10	1	-	-	1	-	-	-	-	-	84
Sharp-shinned Hawk	2	14	3	2	1	4	4	2	5	3	2	3	79
Cooper's Hawk	3	5	3	6	-	2	7	3	6	8	-	5	83
Accipiter sp.	-	-	-	-	-	-	-	-	-	-	-	-	1
Red-shouldered Hawk	10	23	22	7	-	12	-	-	-	-	-	2	145
Broad-winged Hawk	-	1	-	-	-	-	-	-	-	-	-	-	1
Red-tailed Hawk	34	61	48	29	4	33	16	8	8	29	3	3	706
Rough-legged Hawk	-	-	-	-	-	-	1	-	-	-	-	-	2
Swainson's Hawk	-	-	1	-	-	-	-	-	-	-	-	-	1
Buteo sp.	-	-	-	-	1	-	-	-	-	-	-	-	4
American Kestrel	50	18	19	9	3	17	37	13	12	27	-	8	493
Merlin	-	-	-	-	-	-	1	-	-	-	-	-	3
Peregrine Falcon	-	2	-	-	-	-	-	-	-	-	-	-	4
Prairie Falcon	-	-	-	-	-	-	-	-	-	-	-	-	CW
Ruffed Grouse	-	-	-	1	-	-	-	-	1	2	1	2	7

Species	Memp	Reel	FayCo	Jack	Sav	CCNWR	BuffR	Colum	Nash	Hick-Pr	Murf	HighR	Nickl.
Wild Turkey	-	1	-	-	-	149	49	18	1	-	26	-	1
Northern Bobwhite	10	21	8	-	6	CW	10	7	8	-	-	-	4
Virginia Rail	-	-	-	-	-	-	-	1	-	-	-	-	-
American Coot	81	4887	-	8	92	25	CW	535	176	504	8	394	5400
Sandhill Crane	-	-	-	-	-	-	-	-	-	-	-	-	13
Killdeer	336	132	11	90	251	62	42	13	87	79	98	13	63
Spotted Sandpiper	1	-	-	-	-	-	-	-	-	-	-	-	-
Least Sandpiper	75	-	-	-	-	-	-	-	-	-	-	-	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Yellowlegs	-	1	-	-	-	-	-	-	-	-	-	-	1
Common Snipe	8	18	5	CW	27	-	22	15	-	1	2	-	9
American Woodcock	1	CW	-	CW	6	-	1	-	-	3	-	-	5
Bonaparte's Gull	-	397	-	-	28	-	-	-	-	CW	-	22	-
Ring-billed Gull	229	1480	-	17	454	374	-	12	-	4214	3000	22	916
Herring Gull	-	7	-	-	5	9	-	-	-	27	1	-	5
Forster's Tern	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock Dove	882	12	44	129	506	-	116	176	76	302	1000	96	150
Eurasian Collared Dove	-	-	-	-	-	-	-	-	-	-	-	-	-
Mourning Dove	284	16	73	337	183	160	45	33	157	83	110	32	65
Barn Owl	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Screech Owl	-	2	-	1	11	-	6	11	2	-	2	1	3
Great Horned Owl	3	3	1	1	4	-	5	9	5	2	1	-	12
Barred Owl	4	9	3	3	8	-	1	4	5	1	-	1	1
Short-eared Owl	-	2	-	-	2	-	-	-	-	-	-	-	-
Ruby-throat Hummingbird	-	-	-	-	-	-	-	-	1	-	-	-	-
Black-chin. Hummingbird	-	-	-	-	-	-	-	-	1	-	-	-	-
Calliope Hummingbird	-	-	-	-	-	-	-	-	-	1	-	-	-
Allen's Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	-
Belted Kingfisher	24	4	4	1	5	8	13	15	20	6	7	7	24
Red-headed Woodpecker	8	20	20	3	10	19	12	2	4	1	3	2	13
Red-bellied Woodpecker	73	35	129	27	44	24	42	37	98	15	15	16	69
Yellow-bellied Sapsucker	25	8	6	1	17	1	6	2	25	10	4	-	36
Downy Woodpecker	30	39	36	16	21	9	39	27	59	27	12	2	60
Hairy Woodpecker	9	3	3	2	8	2	7	10	13	4	2	-	11
Northern Flicker	56	62	48	26	32	31	17	20	41	22	7	24	69
Pileated Woodpecker	6	15	12	4	5	9	22	13	21	5	-	4	39
Empidonax Flycatcher sp.	-	-	-	-	-	-	-	-	1	-	-	-	-
Eastern Phoebe	-	5	10	-	3	-	5	1	7	-	-	1	17
Great Crested Flycatcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Swallow sp.	-	-	-	-	-	-	-	-	-	-	-	-	3
Horned Lark	95	211	36	55	111	-	16	91	1	-	-	-	2
Blue Jay	189	37	236	183	235	103	298	71	310	93	66	210	335
American Crow	134	76	446	20080	552	107	518	156	343	149	302	2205	1666
Fish Crow	-	CW	-	2	-	-	-	-	-	-	-	-	-
Common Raven	-	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Chickadee	93	119	74	39	145	51	79	78	292	119	47	25	165
Tufted Titmouse	39	79	57	26	91	43	124	50	162	72	38	25	85
Red-breasted Nuthatch	3	2	1	2	5	-	2	2	2	4	-	-	16
White-breasted Nuthatch	2	9	4	3	15	2	64	8	63	3	1	-	43
Brown-headed Nuthatch	-	-	-	-	-	-	-	-	-	-	-	-	1
Brown Creeper	1	7	5	3	12	1	2	3	4	12	1	-	12
Carolina Wren	51	29	63	18	56	20	40	76	135	47	16	6	90
House Wren	2	1	2	-	-	-	-	-	1	-	-	-	4
Winter Wren	7	8	5	2	6	-	5	2	2	2	1	-	20
Sedge Wren	-	2	-	-	1	-	-	-	-	-	-	-	-
Marsh Wren	-	1	-	-	2	-	-	-	-	-	-	-	-
Golden-crowned Kinglet	8	14	35	7	23	6	37	14	22	14	-	1	37
Ruby-crowned Kinglet	28	50	17	12	54	1	16	8	7	16	1	1	67
Eastern Bluebird	49	50	225	71	222	71	183	113	164	67	32	72	257
Hermit Thrush	11	26	6	4	26	2	19	13	34	15	-	3	54
American Robin	1721	627	726	447	4928	390	101	111	2334	7113	3000	5	1146
Gray Catbird	-	-	-	-	1	-	-	-	1	-	-	-	-

Species	Cooke	Chatt	Hiwas	Knox	GSMNP	Norris	Greene	Kpt	Eliz	Bris	Roan	Shady	Total
Wild Turkey	-	26	-	-	13	-	15	CW	1	-	1	2	303
Northern Bobwhite	-	1	1	-	2	-	7	-	-	-	-	-	85
Virginia Rail	-	-	-	-	-	-	-	-	-	-	-	-	1
American Coot	7	374	97	176	-	58	8	384	42	127	-	-	13383
Sandhill Crane	-	6	6361	-	-	-	-	-	-	-	-	-	6380
Killdeer	29	287	473	68	17	55	58	23	10	17	10	22	2346
Spotted Sandpiper	-	-	-	-	-	-	-	-	-	-	-	-	1
Least Sandpiper	-	-	12	-	-	-	-	-	-	-	-	-	87
Dunlin	-	1	-	-	-	-	-	-	-	-	-	-	1
Lesser Yellowlegs	-	-	-	-	-	-	-	-	-	-	-	-	1
Common Snipe	3	55	61	-	4	9	1	-	13	2	-	-	255
American Woodcock	1	2	-	-	-	-	-	-	-	-	-	-	19
Bonaparte's Gull	-	154	113	22	-	1	-	4	-	4	-	-	745
Ring-billed Gull	1	6840	1237	2256	3	30	-	429	3	227	-	-	21744
Herring Gull	-	19	3	-	-	-	-	-	-	-	-	-	76
Forster's Tern	-	2	-	-	-	-	-	-	-	-	-	-	2
Rock Dove	219	1032	67	621	93	229	202	169	295	471	59	10	6956
Eurasian Collared Dove	-	3	-	-	-	-	-	-	-	-	-	-	3
Mourning Dove	172	425	171	379	86	130	348	149	317	357	37	139	4288
Barn Owl	-	1	-	-	-	-	4	-	-	-	-	-	5
Eastern Screech Owl	8	15	4	1	2	6	6	CW	4	12	2	3	102
Great Horned Owl	5	6	3	-	-	1	7	CW	-	16	-	-	84
Barred Owl	2	1	1	-	-	2	-	-	-	-	2	2	50
Short-eared Owl	-	-	-	-	-	-	-	-	-	-	-	-	4
Ruby-throated Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	1
Black-chinned Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	1
Calliope Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	1
Allen's Hummingbird	-	-	-	-	-	-	-	-	-	1	-	-	1
Belted Kingfisher	10	27	31	33	6	16	12	4	13	12	6	9	317
Red-headed Woodpecker	5	15	5	1	-	1	2	2	-	17	-	-	165
Red-bellied Woodpecker	44	90	35	57	5	57	27	5	13	-	1	2	960
Yellow-bellied Sapsucker	2	48	29	21	2	23	2	1	3	7	-	-	279
Downy Woodpecker	40	92	36	42	14	52	26	10	17	18	6	7	737
Hairy Woodpecker	11	12	7	5	1	14	4	CW	2	-	2	-	132
Northern Flicker	25	97	63	33	4	37	14	2	12	9	2	7	760
Pileated Woodpecker	17	19	13	9	7	34	6	3	13	12	5	6	299
Empidonax Flycatcher sp.	-	-	-	-	-	-	-	-	-	-	-	-	1
Eastern Phoebe	7	13	9	2	6	11	2	2	2	4	-	-	107
Great Crested Flycatcher	-	1	-	-	-	-	-	-	-	-	-	-	1
Swallow sp.	-	-	-	-	-	-	-	-	-	-	-	-	3
Horned Lark	-	-	-	-	-	-	2	-	-	-	-	-	620
Blue Jay	220	398	332	337	11	187	152	79	64	104	5	8	4263
American Crow	800	940	1190	695	118	357	268	468	298	1597	167	1672	35304
Fish Crow	-	-	-	-	-	-	-	-	-	-	-	-	2
Common Raven	-	-	-	-	3	-	-	-	5	3	8	3	22
Carolina Chickadee	155	363	125	283	76	234	82	39	103	92	51	48	2977
Tufted Titmouse	143	204	102	126	53	135	70	29	69	79	26	51	1978
Red-breasted Nuthatch	19	19	7	3	5	34	8	3	1	10	10	8	166
White-breasted Nuthatch	72	70	33	36	23	94	21	10	23	46	12	17	674
Brown-headed Nuthatch	-	35	14	-	-	-	-	-	-	-	-	-	50
Brown Creeper	5	14	1	2	4	1	-	-	5	1	3	2	101
Carolina Wren	68	176	40	91	15	96	51	15	43	54	11	22	1329
House Wren	-	4	1	2	-	-	1	-	1	2	-	-	21
Winter Wren	7	9	3	3	6	14	4	4	5	2	4	2	123
Sedge Wren	-	2	-	-	-	-	-	-	-	-	-	-	5
Marsh Wren	-	1	1	-	-	-	-	-	-	-	-	-	5
Golden-crowned Kinglet	78	43	31	13	34	55	6	5	40	60	23	31	637
Ruby-crowned Kinglet	15	86	36	22	-	26	2	2	2	11	-	2	482
Eastern Bluebird	288	279	414	159	51	257	118	30	44	77	8	66	3367
Hermit Thrush	4	45	41	14	2	19	3	2	6	5	-	2	356
American Robin	81	915	757	676	7	284	17	CW	5	5	1	3	25400
Gray Catbird	-	-	-	1	-	-	-	-	-	-	-	-	3

Species	Memp	Reel	FayCo	Jack	Sav	CCNWR	BuffR	Colum	Nash	Hick-Pr	Murf	HighR	NickL
Northern Mockingbird	71	12	37	25	36	13	44	29	69	64	27	17	38
Brown Thrasher	19	13	21	9	4	-	6	1	6	10	-	8	16
American Pipit	2	10	-	1	610	-	26	-	-	-	-	-	95
Cedar Waxwing	51	68	327	51	320	322	42	100	407	324	40	-	456
Loggerhead Shrike	3	10	5	4	2	-	6	7	8	1	-	2	2
European Starling	2430	1369	368	1250	7460	307	1087	800	13862	57362	?	1332	2876
White-eyed Vireo	-	-	-	-	-	-	-	-	-	-	-	-	1
Blue-headed Vireo	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange-crowned Warbler	-	CW	-	-	-	-	-	-	-	1	-	-	-
Yellow-rumped Warbler	74	143	205	105	315	30	13	27	83	271	13	-	258
Pine Warbler	-	1	4	5	4	-	2	2	-	-	-	1	4
Palm Warbler	-	-	-	-	2	-	-	-	-	-	-	-	-
Black-and-white Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Cardinal	281	82	218	162	234	118	239	146	364	134	40	78	125
Eastern Towhee	43	4	96	32	39	20	39	31	95	43	9	34	71
American Tree Sparrow	-	25	8	-	-	-	-	-	-	-	-	-	-
Chipping Sparrow	76	2	16	11	46	-	4	-	2	7	-	4	36
Field Sparrow	113	50	175	45	260	16	165	97	119	104	50	47	188
Vesper Sparrow	-	CW	-	2	7	-	-	1	-	-	-	-	-
Savannah Sparrow	37	67	146	2	262	3	39	4	-	36	1	-	65
LeConte's Sparrow	-	9	-	-	12	-	-	-	-	-	-	-	-
Fox Sparrow	4	16	8	8	6	-	6	10	8	2	-	-	7
Song Sparrow	230	181	303	141	654	42	91	86	167	189	10	36	343
Lincoln's Sparrow	2	-	1	-	1	1	-	-	-	-	-	-	-
Swamp Sparrow	26	216	171	73	684	19	25	25	41	106	2	4	74
White-throated Sparrow	730	154	1034	165	401	61	230	231	394	349	22	40	360
White-crowned Sparrow	131	7	12	15	12	-	24	4	1	10	6	2	5
Dark-eyed Junco	461	105	411	140	290	129	244	32	130	67	50	72	115
Sparrow sp.	-	-	-	-	120	-	-	-	-	-	-	-	-
Lapland Longspur	-	60	-	-	-	-	-	-	-	-	-	-	-
Snow Bunting	-	1	-	-	-	-	-	-	-	-	-	-	-
Red-winged Blackbird	50461	16148	1705	10140	68014	384	1473	40	162	524	1	-	3183
Eastern Meadowlark	192	307	193	162	253	48	351	117	50	23	41	-	55
Rusty Blackbird	423	25	75	2	1	-	-	-	7	202	20	-	2
Brewer's Blackbird	-	-	-	-	80	-	-	-	1	-	-	-	-
Common Grackle	2152	106	400	3106	111231	61	32	10	110	3263	120	1400	9059
Brown-headed Cowbird	987	953	-	20	1090	27	63	23	303	112	-	-	685
Blackbird sp.	-	455	-	30000	-	-	-	-	-	-	-	-	-
Purple Finch	40	1	16	2	4	2	18	-	9	-	-	-	20
House Finch	56	9	63	10	18	-	68	24	117	75	130	21	68
Red Crossbill	-	-	-	-	-	-	-	-	-	-	-	-	-
White-winged Crossbill	-	-	-	-	-	-	-	-	CW	-	-	-	-
Pine Siskin	-	12	3	2	1	-	3	2	13	3	-	-	23
American Goldfinch	155	33	52	107	42	7	76	53	150	54	35	5	195
Evening Grosbeak	-	-	-	-	-	-	-	-	-	-	-	-	22
House Sparrow	314	86	56	8	28	9	67	69	25	21	200	13	45
Total species	92	119	74	84	102	70	77	92	90	89	64	65	102
Total indiv.	67434	93982	8860	70035	201207	10854	6948	6700	22169	78092	9074	7702	30918
Participants	26	13	11	5	10	14	13	9	33	11	7	16	20
Parties	10	4	5	3	6	6	5	5	9	5	4	9	8
Party hours	116.5	41	39	31	60.5	55.5	48	43.5	68.25	43	23.75	31	79.75
Hours on foot	79	21	19.5	20	31.25	16	20	23	39.75	19.5	-	-	48.5
Hours in car	37.5	13	19.5	11	29.25	39.5	28	20.5	28.5	23.5	-	31	31.25
Hours in boat	-	7	-	-	-	-	-	-	-	-	-	-	-
Party miles	221	258	255	257.8	464.8	351	258	373	304.5	344.75	197	56.6	399.5
Miles on foot	56	12	21	6.8	28.5	10	12.5	23	25.5	17.75	5	2	21
Miles by car	165	230	234	251	436.3	341	245.5	350	279	327	192		378.5
Miles by boat	-	16	-	-	-	-	-	-	-	-	-	-	-
Hours owling	-	1	1	0.5	3.5	-	1.5	6.5	2.5	3.5	-	-	5.75
Miles owling	-	5	1	2	35.3	-	3.5	18	10.5	17	-	-	78.5
Feeder parties	-	-	-	-	-	-	-	2	9	-	4	-	-
Feeder hours	-	-	-	-	-	-	-	9	?	-	17	-	-

CW = Count week. Indicates species was seen during count week (3 days before or after the count but not on count day).

Species	Cooke	Chatt	Hiwas	Knox	GSMNP	Norris	Greene	Kpt	Eliz	Bris	Roan	Shady	Total
Northern Mockingbird	27	103	71	120	6	29	19	17	18	69	1	9	971
Brown Thrasher	7	41	12	6	-	6	2	-	1	-	-	-	188
American Pipit	1	-	246	3	-	-	-	-	-	-	-	-	994
Cedar Waxwing	108	916	407	184	3	220	4	-	1	-	-	2	4353
Loggerhead Shrike	CW	-	5	-	-	-	4	1	-	1	-	-	61
European Starling	1240	44852	446	2560	244	458	2320	725	1047	2621	82	1026	148124
White-eyed Vireo	-	1	-	-	-	-	-	-	1	-	-	-	3
Blue-headed Vireo	-	1	1	-	1	-	-	-	-	1	-	-	4
Orange-crowned Warbler	1	1	-	-	-	-	-	-	-	-	-	-	3
Yellow-rumped Warbler	152	476	143	395	3	287	38	137	52	24	4	1	3249
Pine Warbler	-	17	9	1	-	-	-	-	-	-	-	-	50
Palm Warbler	1	2	1	3	-	2	-	-	-	-	-	-	11
Black-and-white Warbler	-	-	-	1	-	-	-	-	-	-	-	-	1
Northern Cardinal	214	429	273	239	60	186	112	71	113	153	14	96	4181
Eastern Towhee	32	147	35	112	2	78	7	7	1	14	1	9	1001
American Tree Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	33
Chipping Sparrow	7	26	187	70	-	1	3	-	-	-	-	-	518
Field Sparrow	81	438	137	116	24	65	25	36	18	66	8	7	2450
Vesper Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	10
Savannah Sparrow	-	28	92	14	-	27	-	-	-	-	-	-	823
LeConte's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	21
Fox Sparrow	2	5	1	1	-	1	2	-	-	1	-	-	88
Song Sparrow	184	544	310	350	78	243	121	70	169	197	45	116	4900
Lincoln's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	5
Swamp Sparrow	43	153	118	31	4	15	30	5	-	3	2	15	1885
White-throated Sparrow	194	731	361	677	31	456	208	86	242	120	31	82	7390
White-crowned Sparrow	-	1	1	15	-	4	31	22	1	44	-	40	388
Dark-eyed Junco	62	119	98	39	58	78	30	25	32	160	29	211	3187
Sparrow sp.	-	-	-	-	-	-	-	-	-	-	-	-	120
Lapland Longspur	-	-	-	-	-	-	-	-	-	-	-	-	60
Snow Bunting	-	-	-	-	-	-	-	-	-	-	-	-	1
Red-winged Blackbird	CW	368	217	46	-	1	9	-	-	1	-	-	152877
Eastern Meadowlark	44	114	184	33	16	70	50	3	2	161	-	-	2469
Rusty Blackbird	-	50	5	-	-	-	-	-	-	-	-	-	812
Brewer's Blackbird	-	-	-	-	-	-	-	-	-	1	-	-	82
Common Grackle	1470	286	51	2	-	-	-	-	-	-	6	-	134865
Brown-headed Cowbird	-	36	78	-	-	-	216	-	-	-	-	-	4593
Blackbird sp.	800	-	-	-	-	-	-	-	-	-	-	-	31255
Purple Finch	5	6	12	5	1	25	10	-	-	CW	1	2	179
House Finch	80	129	56	114	9	47	74	9	58	59	4	16	1314
Red Crossbill	-	-	-	-	-	-	-	-	-	-	-	25	25
White-winged Crossbill	-	-	-	-	-	-	-	-	-	-	-	-	CW
Pine Siskin	1	35	7	-	23	-	-	-	10	-	-	13	151
American Goldfinch	129	295	212	157	57	267	80	31	153	119	13	211	2688
Evening Grosbeak	-	-	-	-	151	-	-	-	-	1	40	-	214
House Sparrow	28	127	25	19	6	5	42	6	25	96	27	44	1391
Total species	80	112	102	84	57	71	76	67	70	81	48	53	158
Total individuals	8107	66636	19873	12421	1575	5601	5622	4129	4052	9341	802	4245	756379
Participants	16	34	26	27	17	13	15	8	16	14	11	13	398
Parties	6	14	9	12	8	7	9	3	5	6	3	5	166
Party hours	52-5	116	76	50-2	42-5	54-5	37	23	43	53	25	38-5	1292
Hours on foot	-	71	40	27	35	35	14	-	17	23	14	12-5	626
Hours in car	-	44-5	27	23-2	7-5	19-5	20-5	-	26	30	11	26	548
Hours in boat	-	0-5	9	-	-	-	2-5	-	-	-	-	-	19
Party miles	430	544-5	297	351	143-3	324	207-2	-	258	388	140	224-2	7048
Miles on foot	-	52	22	25	35	23	7-7	-	9	11	10	7-1	443
Miles by car	-	492	232	326	105-3	301	198	-	249	377	130	217-1	6057
Miles by boat	-	0-5	43	-	-	-	1-5	-	-	-	-	-	61
Hours owling	6	10-5	3-5	0-5	0-5	2-5	0-75	0-5	2	5	1	-	59
Miles owling	71	70-6	51	0-2	3	5	-	-	6	35	1	-	414
Feeder parties	-	1	-	1	-	-	4	-	-	-	-	-	21
Feeder hours	-	2	-	2	-	-	25-5	-	-	-	-	-	56

CW = Count week. Indicates species was seen during count week (3 days before or after the count but not on count day).

The Migrant, 69 (1): 26, 1998.

ANN T. TARBELL (1916-1998)

MARY ZIMMERMAN
1618 Lillian Street
Nashville, TN 37206-2038

The Tennessee Ornithological Society mourns the death of Ann Tarbell, who died at her home on 6 August 1998. A long-time TOS member, she held numerous offices including Chapter Secretary, State Director, TOS Vice- President and NTOS Vice-President for Programs. Though she had been battling cancer for almost a year, she was still able to hike on the TOS summer birding trip in the Great Smoky Mountains in June. Ann was 82 years old.

Originally from Concord, Massachusetts, Ann graduated from Radcliffe College, *summa cum laude*, in 1937, and received a Ph.D. in Chemistry from Columbia University in 1942. During World War II, she worked on the Manhattan Project analyzing samples from Oak Ridge. She co-authored two books on the history of Chemistry with her husband, Dr. Stanley Tarbell, of Vanderbilt University.

An avid birder, Ann began collecting tower kills with Katherine Goodpasture shortly after moving to Nashville from Rochester, New York, in 1967, and continuing through the spring migration this year. She was continually and faithfully involved in numerous statewide and local avian programs, including breeding surveys and the MAPS program. A long-time bander, she banded at the former NTOS property, "Two Jays"; Katherine Goodpasture's property at Basin Spring; and in her own yard in Forest Hills. In addition, Ann was actively involved in the breeding atlas project, surveying several blocks, including the Radnor block. Of Ann's many contributions to the birding community, what stand out most are her diligent efforts in the campaign to save Radnor Lake from commercial development. She maintained her strong interest in Radnor by continuing to work tirelessly toward the purchase of additional lands surrounding the lake, including the Hall Tract. She was also an active member of the Friends of Radnor Lake, one of whose recent accomplishments was the closing of Otter Creek Road to vehicles. The Radnor Lake State Natural Area is honoring her efforts by dedicating a new library to Ann's memory. The library is in the new Jeffries Environmental Education Building, which is located on the Hall Tract, just south of the lake.

Ann also worked tirelessly for the Nashville Chapter, producing the newsletter and the members' yearbook, and serving as the chapter Compiler for the Audubon Christmas Count, as well as the TOS spring and fall counts. For many years she spearheaded the myriad details involved in the successful hosting of the spring State Meeting when it was held in Nashville. In addition, she wrote numerous articles for ***The Migrant*** and delivered several papers at state meetings. In recognition of her many contributions to TOS and bird studies, Ann was awarded The Distinguished Service Award by TOS at the Spring State Meeting in 1997. She will be greatly missed.

The Migrant, 69 (1): 27-28, 1998.

DR. JOSEPH C. HOWELL
(1913-1998)

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Dr. Joe Howell, long-time member of the Knoxville Chapter of the Tennessee Ornithological Society, died from the effects of Alzheimer's disease on 10 June 1998. He is survived by his wife, and two daughters and two stepsons from previous marriages. Joseph Corwin Howell was born on 3 March 1913 in Orlando, Florida, where he lived until 1935, the year he completed a B.A. degree at Rollins College. Dr. Howell had an early interest in birds, as evidenced by his becoming a member of the American Ornithologists' Union at age 15 in 1928. In his youth he became an avid egg collector, a hobby that was enhanced by his athletic ability and his tall, wiry build. Dr. Howell donated his egg collection, consisting of 3690 eggs (1095 sets of eggs) of 134 species of birds, 107 from Florida, to the American Museum of Natural History in 1940. He completed a Ph.D. degree at Cornell University in 1940. Dr. Arthur A. Allen supervised Dr. Howell's research on the American Robin. A condensed version of his dissertation was published in a paper entitled, "Notes on the nesting habits of the American Robin (*Turdus migratorius L.*)" (1942. *American Midland Naturalist* 28: 529-603). In the six decades since its publication, this monumental paper has been studied and cited by virtually every researcher who has studied American Robins.

Dr. Howell began his professional career in 1940 at Oklahoma A & M College (now Oklahoma State University), but his teaching career was interrupted by World War II. During 1943-1945 he served as a lieutenant in the U.S. Navy. While far from land in the Gulf of Mexico, he watched small, migrating birds land on his ship. His observations helped answer the then hotly debated question about whether or not small birds were capable of trans-Gulf migrations. On 1 September 1946, Dr. Howell became an Instructor in the Zoology and Entomology Department at the University of Tennessee, Knoxville. He remained there until his retirement, with the rank of professor, on 1 September 1978.

During Dr. Howell's UT years, he taught courses in Animal Behavior, Comparative Anatomy, Mammalogy, and Ornithology. He directed the graduate programs of numerous M.S. and Ph.D. students. Some of these research projects involved studies of animal behavior and ecology, both of mammals and birds, while other projects dealt with population changes. Dr. Howell realized the value of documenting both the occurrence and size of populations.

He was especially interested in fluctuations in the size of bird and mammal populations, and developed methods to measure bird populations. In 1951 he published an article entitled, "The roadside census as a method of measuring bird populations" (*Auk* 68: 334-357), which helped establish the idea that bird populations could be reliably and effectively described with roadside counts.

Not surprisingly, Dr. Howell participated in, and was a major contributor to the

establishment and implementation of, the Breeding Bird Surveys from their beginning in 1966. Today we recognize the Breeding Bird Survey data as one of the most valuable sources of information about bird populations in North America.

In 1957 Dr. Howell and a former student, Muriel B. Monroe, published, "The birds of Knox County, Tennessee" (*Journal of the Tennessee Academy of Science* 32: 247-322). This article described the status of every species known to have occurred in Knox Co. in recent times. The article has frequently been updated, but it still serves as a valuable source of information about the occurrence and population sizes of the birds in Knox Co. In a similar endeavor, Dr. Howell and James M. Campbell studied the birds of Campbell Co., Tennessee, for many years. They published "Observations of Campbell County birds" in 1972 (***Migrant*** 43: 1-4). Dr. Howell long had an interest in the Bald Eagles nesting in central Florida, and documented the decline in this population in a 1965 paper (co-authored by G.M. Heinzmann), "Comparison of nesting sites of Bald Eagles in central Florida from 1930 to 1965" (*Auk* 84: 602-603).

His many students, professional acquaintances, fellow members of the TOS, and other friends will remember Dr. Howell as a quiet, conservative gentleman who thought carefully before he spoke. At meetings of the Knoxville TOS Chapter (which he supported for nearly 50 years), his polite inquiries to the reporter of some rare bird ("Are you sure? Did you see the wing bars?") frequently culminated in a comment that left no doubt that Dr. Howell was not convinced. Knowing that Dr. Howell was going to question unusual reports made the members better observers and raised the credibility of the records.

Dr. Howell was a positive influence on many students, both undergraduate and graduate. His interests in animal behavior, mammals, and birds have benefited not only students, but the citizens of Tennessee and the U.S. as well. His support of the TOS, especially the Knoxville Chapter, was important in maintaining the vitality that is needed for an organization of this type to be effective. As one of his last graduate students, I especially benefited from Dr. Howell's advice and example. I treasure my association with him.

The Migrant, 69 (1): 29-32, 1998.

MINUTES OF THE 1998 SPRING MEETING TENNESSEE ORNITHOLOGICAL SOCIETY DIRECTORS

The Spring meeting of the Tennessee Ornithological Society (TOS) was held on 1-3 May 1998 in Nashville. The meeting was hosted by the Nashville Chapter. Several field trips were taken to local points of interest, and a banquet was held on Saturday night for those members attending the meeting. The meeting was called to order by TOS President Susan McWhirter. Secretary Knox Martin reported a quorum present. Copies of the minutes of the Fall meeting were made available to those present for review. A motion to approve the minutes was made by Van Harris with a second by Harriette Spiegel. The motion was approved by a unanimous vote of those present.

REPORTS OF OFFICERS. West Tennessee Vice President Bob Ford reported that The Mississippi Museum of Natural Science is moving along with the project of putting all of TOS member Ben B. Coffey's birding records on computer; at least $3,000 is still needed to complete this project. There was no report from Middle Tennessee. East Tennessee Vice President Ron Hoff reported that osprey nesting platforms are still being erected, with at least four new ones in 1998; some of the platforms put up in the past are currently being used by osprey.

DIRECTORS AT LARGE. No reports.

SECRETARY'S REPORT. Knox Martin requested that all chapter officers supply him with names and addresses of all chapter officers well before the state meetings. This is especially true if there have been changes in officers since the last state meeting.

TREASURER'S REPORT. Treasurer David Trently presented the following report: Total income from all areas was $32, 658.55. Total expenses were $12,880.82. Total operating assets, including savings, checking, stamps, and the Dean Witter Trust Liquid Asset Fund was $49,080.14. Anticipated liabilities were $53,100. The Endowment Fund contained 8896.724 shares @ $19.55 for a total of $173,930.95, making the total assets (Operating Assets plus Endowment Fund) $223,011.09.

CURATOR'S REPORT. No report.

MIGRANT EDITOR Dev Joslin reported that the June 1997 issue had been mailed. The September 1997 issue is about to go to press and should be out by late June. The final issue should be out soon after that. More articles are needed for future issues, so send them to Dev. It is about time to issue a new membership directory. This is usually done every three years, but it has been almost 10 years since the last directory was published in 1989. The next directory should also include E-Mail addresses. All information should be turned in to local chapter treasurers. The 1994-1996 issues of ***The Migrant*** are at the printers. The 1994 annual issue has been printed. It is hoped that all issues will be mailed by the Fall meeting. Special thanks go to Martha Waldron, Carolyn Bullock, Richard Lewis, Bob Ford, and Rick Knight for all their work.

NOMINATING COMMITTEE. Chuck Nicholson introduced Chris Sloan, the President-elect for next year who will be officially nominated at the banquet. If

anyone would like to volunteer to be an officer, see either Chuck or one of the other members of the committee, Carolyn Bullock or Mary Zimmerman.

FINANCE COMMITTEE. George Payne reported that everything was in order with the TOS finances. Due to the amount of money in the Endowment Fund, it might be wise in the future to diversify.

PROJECT FUNDING & CONSERVATION COMMITTEE. Bob Hatcher had some new proposals for the Katherine Goodpasture Memorial Grant. There were seven applicants for grants in 1997, but so far in 1998 there have been none. As a result, the following recommendations were made. The deadline for applications will be extended until 18 May. Awards will be increased from the current $250 to $300, and all information concerning the grant will be posted on the TOS website. Since the funding for the grant comes from donations made to the Nashville TOS Chapter in memory of chapter member Katherine Goodpasture, it is probably best to save it for now with the Nashville Chapter. In the future, it might be possible to combine the fund with the Project Funding & Conservation Committee and make a statewide award or some other conservation award. Project Funding & Conservation Committee members could meet with the members of the Katherine Goodpasture Grant Committee and try to iron out some guidelines for future committee funding. TOS President Susan McWhirter nominated Gaynell Perry of Memphis, Melinda Welton of Nashville, and Frank Bills of Knoxville as new members of the Project Funding & Conservation Committee. A motion was made from the floor by Ron Hoff and seconded by Betty Reed Campbell to approve the nominations. The vote was unanimous. Melinda Welton reported on the meeting of the Conservation Committee. The committee recommended that the TOS become a charter member of the Gulf Coast Bird Observatory, a group of states that help monitor bird migrations around the Gulf of Mexico. Tennessee would become the first member-state not bordered on the Gulf. There is a one-time fee of $150 to join. A motion was made by Melinda Welton and seconded by Dev Joslin for the TOS to join. The vote was unanimous. George Mayfield reported on the current status of the Endangered Species Act. It is currently up for renewal and there are several bills currently under review. Two are the Kemp-Thorne Bill #1180 (Negative), and the Miller Bill HR2351 (Positive). Write your representatives and senators about your opinions of these bills. There is also a problem concerning the number of towers being put up around the state. Studies need to be started that will look at the problems of bird collisions with these towers.The FCC also needs an Environmental Impact Statement. A motion was made by Virginia Reynolds and seconded by Chuck Nicholson that called for each chapter to adopt a tower and monitor it for bird kills. Melinda was asked to draw up guidelines for the collection of data from the various collectors at each tower. The vote was unanimous.

TENNESSEE BREEDING BIRD ATLAS. Chuck Nicholson reported that the Atlas was done and that he was resigning as chairman of the committee. He suggested that the TOS begin looking into the possibility of doing another Atlas in a few years, possibly in a combined effort with neighboring states.

TENNESSEE BIRD RECORDS COMMITTEE. Chairman Chris Sloan, speaking for committee members Paul Hertzel, Dick Preston, Kevin Calhoun, and Linda Northrop, pointed out that it was their opinion that the BRC was not up to par with

similar committees around the country. It was necessary to expand its responsibilities from the current voting on first, second and third state sightings of birds to a more important function of monitoring bird population trends in the state. Seasonal status reports of unusual bird species will now be looked at more carefully. ALL records will now be looked at, no matter how common the bird (cardinal in your yard, for example). The committee will be expanded from the current five members to six, two from each grand division of the state. Votes on a specific record will now be five out of six instead of the previous unanimous vote. Due to the increased responsibilities of the committee, members will be allowed to serve two consecutive terms instead of the current one term on the committee, followed by one term off the committee. This is important due to the fact that the increased responsibilities of the committee require more knowledgeable members who will need the option of longer terms of membership. A motion was made by Chris Sloan and seconded by Harriette Spiegel to accept the above changes to the BRC. The floor was then opened up for discussion. The motion was to accept the proposed changes "as is." The vote was by a show of hands of directors. The vote was 11 in favor of the motion and five (5) opposed. After more discussion, a motion was made by Virginia Reynolds and seconded by Dev Joslin to print all of the proposed changes in the *Warbler*. The vote from the floor was unanimous in favor.

CONSTITUTION & BYLAWS COMMITTEE. Virginia Reynolds introduced several proposals for changes and / or amendments to the TOS Constitution. They were: 1. Article V, Section 5: "The TBRC shall be a standing committee. Members shall be appointed by the President. Procedures of this committee shall be approved by the Board of Directors." Virginia Reynolds made a motion to adopt these changes. The motion was seconded by Chris Sloan. The vote was unanimous to adopt the changes. 2. Article X of the Bylaws. Changes to the Bylaws would be the same as changes to the Constitution. Virginia Reynolds made a motion to adopt the changes. The motion was seconded by Forrest Priddy. The vote was unanimous to adopt the changes. Virginia Reynolds then made a motion to print the above changes in ***The Migrant***. The motion was seconded by Jim Campbell and passed by unanimous vote.

COLLATERAL COMMITTEE. No word from Bill Bridgeforth on decals. Patches are available for $2.50 each. TOS Directories are available at $3.50 each.

PARTNERS IN FLIGHT. Bob Ford reported that, thanks to Dolly Ann Myers and Ron Hoff, a slide projector has been donated to send to the Annabelle Dod Bird Club in the Dominican Republic. Dev Joslin reported on a possible field trip by TOS to the Dominican Republic in February 1999. See Bob Ford or Dev Joslin for details. Janet Troop of TWRA is working on a worldwide program concerning "Important Bird Areas." If you have a favorite spot in Tennessee to submit for consideration, see Janet for an application. Bob Ford reported that Tennessee Congressman Tanner submitted to the USF & WS a $2 million rider for Partners in Flight. A letter of thanks from TOS will be sent to the congressman.

TECHNOLOGY COMMITTEE. No report.

TENNESSEE WARBLER. More articles are needed, especially from the various chapters. The next deadline is 30 June 1998. Ron Hoff volunteered to put the *Warbler* on e-mail. Check with Theresa Graham if you are interested.

OLD BUSINESS

Ron Hoff reported on the upcoming International Migratory Bird Day on 9 May. Be sure to keep track of hours spent on foot and hours in the car, mileage on foot and mileage in the car, etc. Be sure to turn in cards.

The Fall meeting was to be hosted by the Lebanon Chapter. However, they have reported that, due to several factors, they will be unable to host the meeting. Susan McWhirter has made arrangements to have the Fall meeting at Paris Landing State Park in Paris, Tennessee, on 31 October and 1 November 1998. If any other chapter would like to host this meeting, please see Susan. David Pitts has agreed to chair the paper sessions. Fall meetings are usually pretty simple affairs, so a smaller chapter should be able to host one. Also, most meeting expenses are paid for by the state TOS if registration fees do not cover all the costs. See David Pitts if you have ideas for a paper presentation.

The Spring 1999 meeting will be held at Reelfoot Lake State Park with headquarters at Air Park. The dates are 30 April and 1-2 May. More details are available from Dick Preston.

Respectfully submitted,
KNOX MARTIN, Secretary

The Migrant, 69 (1): 33-38, 1998.

1998 TENNESSEE NORTH AMERICAN MIGRATION COUNT

RONALD D. HOFF
282 Hackworth Lane
Clinton, TN 37716

Eighteen (18) counties participating was a high for this count, compared with 13 in 1997. Weather throughout most of the state was overcast, with a few areas of sunshine and some light winds. Some highlights were: Merlin; Ruffed Grouse; Eurasian Collared Dove; 6 Wren species; including 2 Bewick's; 20 Loggerhead Shrikes; 108 Cerulean Warblers; 11 Swainson's Warblers; Painted Bunting; and 3 Henslow's Sparrows. Since identification of Bicknell's Thrush is still problematic. This compilation treats them as Gray-cheeked / Bicknell's Thrush. Species that were not on the count but known to breed in the state were: King Rail (W. TN); Least Tern (W.TN); Barn Owl; Willow Flycatcher; Fish Crow (W.TN); Common Raven (Smokie Mtns.); Black-capped Chickadee (Smokie Mtns.); and Lark Sparrow (Middle TN).

Anderson County: Weather was cool and overcast, with light winds. 1 hour was spent owling. Observers: Frank Bills, Sharon Bostick, Betty Reid Campbell, Jim Campbell, Ron Hoff (state compiler), Dollyann Myers, Boyd Sharp, John Upchurch.

Blount County: Weather was partly cloudy to overcast. Observers: Jean Alexander, David Johnson, Chris Welsh, Deborah Welsh.

Cheatham County: Weather was overcast. 15 miles and 1.5 hours owling. Observers; Jerry Drewry, Joe Stone, Sabin Thompson.

Davidson County: Weather was overcast. 9 watchers at 5 feeders. Observers: David Alexander, Jan Alexander, Phillip Casteel, Candy Christman, Richard Conners, David Dortch, Bonnie Fekel, Frank Fekel, Joe Francis, Ed Gleaves, Bob Hatcher, Pat Hollyday, Susan Hollyday, Gail Lavely, Red Lavely, Steve Lawrence, Diane McLusky, Sharon Monroe, Polly Pooker, Jan Shaw (compiler), Chris Sloan, Rita Venable, Mary Zimmerman.

Fayette County: Weather was overcast. Observer: Theresa Graham.

Hamilton County: Weather was clear in AM, and overcast in PM. 8 hours and 83 miles were spent owling. Observers: Nelson Bennett, Kevin Calhoun (compiler), Carl Chadwell, Janice Chadwell, Danny Gaddy, Claire Gurrion, Bill Haley, Doug Hayes, Geraldine Hayes, Dennis Harris, Gwen Harris, Ron Heffner, John Henderson, Bonnie Johnson, Jonnie Sue Lyons, Barbara McMahon, Mike McMahon, Johnnie Parks, Tom Patton, John Selman, Debbie Shannon, Roi Shannon, Harold Sharp, David Vogt, Meg Whooley, Jimmy Wilkerson, Hayden Wilson, Libby Wolfe.

Jefferson County: Weather was sunny to partly cloudy. Observers: Dewel Edwards, K. Dean Edwards, Muriel Edwards, Pete Wyatt.

Knox County: Weather was partly cloudy.Observers: Frank Bills, Sharon Bostick, K. Dean Edwards, Joel Keebler, Laurie Pearl.

Maury County: Weather was broken clouds with threat of rain. 2 feeder watchers. 5 hours and 60 miles owling. George R. Mayfield Jr., compiler.

Monroe County: Weather was overcast. Observer: David Trently.

Putnam County: Weather was fog to partly cloudy, with 0-5 mph wind from west in AM, and 0-10 mph in PM. 2.25 hours and 27 miles were spent owling. Observers: Heather A. Bolte, Terry M. Campbell, Daniel L. Combs, Ginger K. Ensor, Dale Grandstaff, Graham S. Kash, Amy L. Mercer, Kenneth L. Morgan, Tom Roberts, Jeanne C. Schmitzer, Richard W. Simmers, Jr., Barbara H. Stedman, Stephen J. Stedman (compiler), Alan Strong, David S. Sugeno, Robbie Sykes, Tyler Sykes, Catherine E. Walden, Winston A. Walden.

Rutherford County: Weather was overcast. Observers: Susan Hollyday, Pat Hollyday.

Sevier County: Weather was partly cloudy. Observers: Susan Hoyle, Martha Rudolph.

Shelby County: Weather was cloudy with SW 5 mph wind in AM, and partly cloudy with SW 10 mph wind in PM. Observers: Charles Askew, David Blaylock, Cookie Blythe, Robert Browne, Carolyn Bullock, Lula C. Coffee, Clarice Cox, Gordon Cox, Philomena Cox, Judy Dorsey, Lillian Durand, Jim Ferguson, Sue Ferguson, Kate Gooch, Van Harris, Martha Heinemann, Prudence Katze, Margaret Jefferson, Knox Martin, Charles McCrary, Gerald Papachristou, George Payne, Jeanne Payne, Rob Peebles, Gaynell Perry, Dick Preston, Barbara Priddy, Forest Priddy, Virginia Reynolds, Martha Waldron (compiler), Barbara Wilson, John Zempel, Linda Zempel.

Stewart County: Weather was overcast, with an afternoon shower. Observer: Melinda Welton.

Sumner County: Weather was overcast. Observer: Chris Sloan.

Williamson County: Weather was overcast. Observers: Sue Ansley, David Buchanan, Jean Buchanan, Pandy English.

Wilson County: Weather was sunny with light wind. 2 hours were spent owling. Observers: Charles Berry, Earline Berry, Frank Crawford, Jane Farris, Mildred Gaston, Kay Norris, Frank Ribble, Peg Ribble, Ramona See, Grace Speck, Sarah Thompson, Mellissa Turrentine (compiler), Roy Turrentine, Dean Walker, Jeri Walker.

1998 TENNESSEE NORTH AMERICAN MIGRATION COUNT

Counties:	And	Blnt	Cheat	Davd	Fayt	Hamlt	Jeff	Knox	Mau	Mon	Put	Ruth	Sev	Shel	Stew	Sum	Wilm	Wils	*Totals*
Common Loon	-	-	-	-	-	2	-	-	-	-	1	1	-	-	-	-	12	-	16
Pied-billed Grebe	-	-	-	1	-	1	2	-	3	-	-	-	-	2	-	-	-	-	9
Horned Grebe	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Dbl-crested Cormorant	-	-	-	-	-	3	-	-	3	6	-	-	-	-	-	77	-	2	91
American Bittern	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Least Bittern	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Great Blue Heron	35	2	1	4	-	214	20	3	9	5	10	4	4	11	2	43	1	4	372
Great Egret	-	-	-	-	-	-	-	-	1	-	-	-	-	6	-	2	-	-	9
Snowy Egret	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Little Blue Heron	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	3
Cattle Egret	-	-	11	1	-	-	-	-	-	-	-	-	-	-	-	100	-	-	112
Green Heron	1	1	4	6	2	21	7	-	1	-	10	2	-	5	2	-	1	4	67
Black-crowned N-Heron	-	-	1	50	-	1	11	-	-	-	-	2	-	-	-	75	-	7	147
Yellow-crowned N-Heron	-	-	3	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	7
Snow Goose	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Canada Goose	79	23	26	73	8	305	24	2	97	34	93	7	27	63	5	40	2	30	938
Wood Duck	6	2	24	21	-	47	34	1	14	-	47	1	2	18	-	5	-	7	229
Mallard	15	40	2	24	12	110	15	-	11	1	18	7	19	28	2	52	-	19	375
Blue-winged Teal	-	1	8	1	-	34	11	-	4	-	5	3	5	7	-	18	-	-	97
Northern Shoveler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1

Counties:	And	Blnt	Cheat	David	Fayt	Hamilt	Jeff	Knox	Mau	Mon	Put	Ruth	Sev	Shel	Stew	Sum	Wilm	Wils	Totals
Gadwall	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	2
American Wigeon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Ring-necked Duck	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	3
Lesser Scaup	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Red-breasted Merganser	-	-	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	-	5
Black Vulture	4	-	6	17	1	24	21	-	24	-	4	3	-	-	2	2	2	27	137
Turkey Vulture	10	2	27	16	8	59	22	4	27	3	43	5	2	-	6	-	4	6	244
Osprey	2	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	5
Mississippi Kite	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	21
Bald Eagle	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Sharp-shinned Hawk	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2
Cooper's Hawk	1	-	-	2	-	2	-	1	1	-	2	1	-	1	-	-	-	-	11
Accipiter sp.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Red-shouldered Hawk	8	-	3	2	-	16	3	-	4	-	14	-	-	4	-	2	-	1	57
Broad-winged Hawk	1	-	-	1	-	-	1	1	2	1	4	-	3	4	-	-	-	-	18
Red-tailed Hawk	4	2	1	20	2	27	4	-	6	-	9	4	-	7	4	-	3	5	98
American Kestrel	1	-	3	7	2	4	2	-	5	-	16	1	-	5	-	-	-	3	49
Merlin	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Peregrine Falcon	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Ruffed Grouse	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3
Wild Turkey	-	-	4	-	-	15	-	-	9	-	4	-	-	9	2	-	-	6	49
Northern Bobwhite	3	-	4	10	1	15	8	4	18	-	16	1	-	15	3	-	8	9	115
Virginia Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Sora	-	-	-	-	-	8	-	-	2	-	-	-	-	1	-	-	-	-	11
American Coot	9	-	-	15	-	35	19	-	60	1	-	4	-	4	-	40	-	19	206
Semipalmated Plover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Killdeer	7	4	7	13	2	83	17	10	12	4	53	2	4	30	1	5	-	22	276
Black-necked Stilt	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	5	-	-	694
Greater Yellowlegs	-	-	1	-	-	4	17	-	-	-	-	-	1	1	-	-	-	-	24
Lesser Yellowlegs	6	-	1	-	-	20	41	-	-	1	-	-	-	3	-	-	-	-	72
Solitary Sandpiper	6	-	4	1	2	19	23	-	2	-	2	-	3	4	-	-	-	1	67
Willet	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Spotted Sandpiper	5	-	14	7	-	15	-	-	1	2	6	3	1	3	-	8	-	-	65
Semipalmated Sandpiper	-	-	-	-	-	3	1	-	-	-	-	-	-	3	-	20	-	-	27
Western Sandpiper	-	-	-	-	-	5	-	-	-	-	-	-	-	1	-	-	-	-	6
Least Sandpiper	-	-	17	-	-	17	4	-	-	1	-	-	10	92	-	41	-	-	182
White-rumped Sandpiper	-	-	6	-	-	-	2	-	-	-	-	-	-	6	-	8	-	-	22
Baird's Sandpiper	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Pectoral Sandpiper	1	-	2	-	-	-	2	-	-	-	-	-	-	8	-	1	-	-	14
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Stilt Sandpiper	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Common Snipe	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2
American Woodcock	-	-	-	1	-	-	-	-	2	-	2	-	-	-	-	-	-	-	5
Bonaparte's Gull	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ring-billed Gull	-	-	-	34	-	81	16	-	-	-	-	-	-	4	-	-	-	-	135
Caspian Tern	-	-	-	4	-	-	-	-	-	-	-	-	-	2	-	3	-	-	9
Common Tern	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Forster's Tern	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Black Tern	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Rock Dove	27	40	-	55	8	120	35	5	74	3	100	-	9	85	-	15	-	5	581
Mourning Dove	56	30	19	81	9	436	74	18	71	31	249	12	42	131	5	4	9	72	1349
Eurasian Collared Dove	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Black-billed Cuckoo	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	2
Yellow-billed Cuckoo	2	5	3	16	2	22	2	5	16	14	13	2	-	19	1	-	3	10	135
Eastern Screech Owl	-	-	1	-	-	6	1	-	2	-	1	-	-	-	-	-	-	-	11
Great Horned Owl	-	-	3	-	-	8	-	-	3	-	-	-	-	1	-	-	-	-	15
Barred Owl	2	1	8	4	-	2	-	-	6	1	11	-	1	1	1	-	-	-	38
Common Nighthawk	-	3	2	1	-	19	4	-	8	-	9	-	-	7	-	-	-	1	54
Chuck-will's-widow	1	-	1	-	-	10	-	-	13	-	11	-	-	4	-	-	-	2	42
Whip-poor-will	-	-	13	-	-	6	-	-	9	-	5	-	-	-	1	-	-	-	34

Counties:	And	Blnt	Cheat	Davd	Fayt	Hamlt	Jeff	Knox	Mau	Mon	Put	Ruth	Sev	Shel	Stew	Sum	Wilm	Wils	*Totals*
Chimney Swift	20	36	30	92	10	301	90	24	42	9	169	5	21	106	6	3	1	17	982
Ruby-throated Hummer	1	1	2	10	-	9	1	1	2	1	13	1	-	32	2	2	3	7	88
Belted Kingfisher	3	-	2	6	2	9	3	1	6	1	9	-	1	4	1	-	-	2	50
Red-headed Woodpecker	1	-	-	7	-	8	-	-	5	-	5	-	-	17	-	-	1	2	46
Red-bellied Woodpecker	14	5	5	37	7	80	7	8	31	2	79	5	5	61	16	-	9	10	381
Yellow-bellied Sapsucker	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Downy Woodpecker	4	8	3	28	5	26	2	1	24	1	29	-	2	33	1	-	2	9	178
Hairy Woodpecker	2	2	-	2	1	8	2	-	5	-	7	-	-	2	-	-	-	1	32
Northern Flicker	3	3	4	6	-	38	4	1	2	3	23	-	-	10	1	-	2	2	102
Pileated Woodpecker	10	1	5	6	-	16	2	1	9	1	32	1	5	17	2	-	3	2	113
Olive-sided Flycatcher	-	-	-	-	-	1	-	-	-	-	-	-	-	3	-	-	-	-	4
Eastern Wood-Pewee	7	4	8	45	2	21	2	4	32	2	75	3	3	89	21	-	-	11	329
Acadian Flycatcher	-	6	3	7	-	4	-	-	8	-	51	-	4	75	13	-	-	-	171
Least Flycatcher	-	-	1	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	5
Empidonax sp.	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2
Eastern Phoebe	12	-	5	19	-	24	5	-	19	1	40	-	10	5	4	-	1	23	168
Great Crested Flycatcher	2	-	5	25	2	44	1	3	8	3	51	3	-	44	7	-	1	5	204
Eastern Kingbird	17	-	22	28	8	86	16	-	23	12	99	11	6	43	5	4	1	35	416
Horned Lark	-	-	-	-	-	-	2	-	6	-	2	-	-	7	-	-	-	-	17
Purple Martin	4	-	15	14	-	113	12	-	6	-	99	10	8	60	-	28	18	11	398
Tree Swallow	15	3	3	-	4	3	6	2	8	-	15	-	-	-	1	2	-	-	62
N. Rough-w. Swallow	19	-	8	33	3	70	15	1	34	2	35	7	6	40	3	5	-	19	300
Bank Swallow	1	-	-	-	-	3	4	24	-	2	-	-	-	-	-	-	-	1	35
Cliff Swallow	30	-	700	4	-	310	50	-	100	-	5	-	-	-	25	-	-	-	1224
Barn Swallow	113	4	8	29	8	264	52	1	22	29	269	27	45	58	19	16	-	84	1048
Swallow sp.	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	9
Blue Jay	59	33	10	79	33	313	32	51	52	24	189	12	14	79	10	4	11	59	1064
American Crow	88	6	8	73	17	317	53	25	139	29	183	7	35	64	18	11	8	41	1122
Carolina Chickadee	32	8	6	77	8	187	12	9	23	12	92	13	11	71	10	-	14	28	613
Tufted Titmouse	35	4	12	69	8	143	12	13	42	14	169	13	13	87	18	1	8	27	688
Red-breasted Nuthatch	-	-	1	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	5
White-breasted Nuthatch	6	3	11	9	-	16	3	1	9	-	28	-	1	10	2	-	2	-	101
Brown-headed Nuthatch	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	12
Brown Creeper	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Carolina Wren	38	6	11	70	7	175	15	4	-	7	127	5	12	88	11	12	7	21	616
Bewick's Wren	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2
House Wren	1	-	1	4	-	3	1	2	-	1	21	-	-	-	-	3	-	4	41
Winter Wren	-	-	-	-	-	-	-	-	-	2	-	-	3	-	-	-	-	-	5
Sedge Wren	-	-	3	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	7
Marsh Wren	-	-	2	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	5
Golden-crowned Kinglet	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2
Ruby-crowned Kinglet	2	1	-	4	-	2	-	1	-	-	-	-	-	2	-	-	-	-	12
Blue-gray Gnatcatcher	50	8	17	57	-	107	4	10	22	20	160	3	9	85	22	1	2	25	602
Eastern Bluebird	92	7	13	44	13	149	41	4	85	8	235	-	29	27	18	1	14	57	837
Veery	1	2	-	3	3	2	-	1	-	-	6	-	1	5	-	-	-	1	25
Gray-ch/Bick Thrush	-	-	2	1	-	-	-	-	-	-	4	-	-	6	-	-	1	-	14
Swainson's Thrush	2	2	1	44	6	24	-	6	4	-	28	3	-	114	12	-	-	-	246
Wood Thrush	20	3	7	24	6	55	3	6	8	-	132	2	10	64	21	-	-	2	363
Catharus sp.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
American Robin	79	46	25	147	23	421	74	19	150	6	382	13	60	161	11	8	4	84	1713
Gray Catbird	2	7	-	3	2	22	6	7	5	9	54	1	1	10	3	-	1	1	134
Northern Mockingbird	22	17	17	40	18	158	34	6	25	4	93	-	16	63	1	2	4	73	593
Brown Thrasher	19	6	10	29	2	100	9	4	19	10	49	5	4	16	6	1	3	10	302
Cedar Waxwing	17	-	4	67	-	263	9	-	10	21	37	10	30	52	-	5	-	28	553
Loggerhead Shrike	-	-	2	2	-	1	1	-	7	-	-	-	-	5	1	-	-	1	20
European Starling	230	100	12	275	15	1073	210	22	360	23	981	7	115	220	6	15	5	166	3835
White-eyed Vireo	8	1	12	23	1	29	4	-	41	5	116	2	1	84	21	-	-	2	350
Blue-headed Vireo	2	1	1	1	-	-	4	2	-	6	19	-	7	-	-	-	-	-	43
Yellow-throated Vireo	4	-	4	6	-	6	-	-	1	-	30	-	-	12	2	-	-	-	65
Warbling Vireo	-	-	1	4	-	-	1	-	1	-	2	-	-	2	-	-	-	2	13

Counties:	And	Blnt	Cheat	Davd	Fayt	Hamlt	Jeff	Knox	Mau	Mon	Put	Ruth	Sev	Shel	Stew	Sum	Wilm	Wls	*Totals*
Philadelphia Vireo	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Red-eyed Vireo	39	5	9	60	2	208	10	22	18	21	612	5	36	39	32	1	-	11	1130
Vireo sp.	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Blue-winged Warbler	1	-	4	8	-	4	-	1	2	-	31	-	-	1	6	-	-	-	58
Golden-winged Warbler	3	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	6
Tennessee Warbler	5	-	15	73	7	23	-	6	12	-	61	5	-	126	25	1	1	2	362
Nashville Warbler	-	-	-	1	-	1	-	1	1	-	5	-	-	2	1	-	-	-	12
Northern Parula	3	2	4	11	1	1	-	1	6	1	55	-	7	52	12	-	-	-	156
Yellow Warbler	5	6	14	24	1	35	4	3	13	7	104	2	-	5	4	2	1	7	237
Chestnut-sided Warbler	10	3	1	16	-	6	-	8	6	20	10	-	1	14	1	-	-	1	97
Magnolia Warbler	-	3	2	14	-	10	-	5	3	3	5	-	-	17	1	-	3	-	66
Cape May Warbler	5	-	-	12	-	17	-	6	3	-	13	6	1	-	1	-	-	-	64
Blk-throated Blue W.	-	-	-	-	-	-	-	-	-	12	-	-	10	-	-	-	-	-	22
Yellow-rumped Warbler	15	4	6	15	1	34	5	11	7	2	25	4	-	5	8	1	4	9	156
Black-throated Green W.	11	9	4	10	-	22	1	16	1	14	42	-	13	1	1	-	-	-	145
Blackburnian Warbler	1	-	-	2	-	8	-	5	-	-	2	-	-	-	1	-	-	-	19
Yellow-throated Warbler	8	2	5	12	-	6	1	-	7	1	26	-	11	2	3	-	-	-	84
Pine Warbler	7	-	1	-	2	39	2	2	8	3	34	-	2	-	1	-	-	-	101
Prairie Warbler	2	-	9	9	-	68	1	8	16	3	93	4	-	-	9	2	2	-	226
Palm Warbler	4	2	21	29	-	43	-	6	15	-	8	3	2	1	3	4	-	1	142
Bay-breasted Warbler	1	1	2	12	-	8	-	6	2	-	26	-	-	5	-	-	-	-	63
Blackpoll Warbler	2	3	4	37	4	50	1	8	10	1	57	1	-	20	8	-	1	-	207
Cerulean Warbler	24	-	-	6	-	-	-	3	5	-	39	-	3	25	3	-	-	-	108
Black-and-white Warbler	17	3	11	12	-	23	3	2	3	7	126	-	1	8	2	-	-	-	218
American Redstart	42	-	4	9	-	7	-	5	10	3	30	2	1	68	1	-	-	1	183
Prothonotary Warbler	1	-	7	5	1	8	-	-	6	-	2	1	-	27	1	-	1	4	64
Worm-eating Warbler	6	4	2	1	-	4	-	-	1	-	25	-	1	-	3	-	-	-	47
Swainson's Warbler	-	-	-	-	-	-	-	-	-	-	2	-	-	9	-	-	-	-	11
Ovenbird	12	7	1	3	1	13	3	2	4	15	175	-	30	20	-	-	-	-	286
Northern Waterthrush	-	-	-	6	-	1	-	-	3	-	5	-	-	1	2	-	-	-	18
Louisiana Waterthrush	2	1	2	6	-	3	1	-	4	-	10	-	1	11	2	-	-	-	43
Kentucky Warbler	21	-	6	17	-	3	-	-	13	-	83	-	-	80	16	-	-	1	240
Mourning Warbler	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Common Yellowthroat	15	9	11	50	6	67	10	4	56	38	295	16	5	34	18	3	2	12	651
Hooded Warbler	20	2	9	14	-	12	3	2	5	8	107	-	8	1	-	-	-	-	191
Wilson's Warbler	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Canada Warbler	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Yellow-breasted Chat	14	7	8	23	2	107	-	6	36	21	95	3	-	8	7	1	4	2	344
Warbler sp.	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Summer Tanager	2	1	9	14	5	22	5	2	25	-	73	14	-	60	23	-	3	11	269
Scarlet Tanager	29	4	12	19	-	40	3	11	9	10	57	2	8	6	6	-	-	2	218
Northern Cardinal	79	35	19	162	25	412	60	20	141	32	333	28	16	188	16	14	34	94	1708
Rose-breasted Grosbeak	14	5	1	27	3	8	3	7	9	8	51	2	-	21	8	-	6	5	178
Blue Grosbeak	2	5	1	4	2	9	3	2	-	1	20	-	1	3	-	-	2	4	59
Indigo Bunting	79	11	24	160	11	200	44	19	49	103	656	28	26	322	43	3	21	49	1848
Painted Bunting	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Dickcissel	-	-	2	-	-	-	-	1	6	-	1	-	-	220	-	-	-	-	230
Eastern Towhee	37	4	15	51	5	110	13	15	74	10	139	14	89	28	11	4	18	22	659
Chipping Sparrow	22	-	12	5	-	59	6	1	12	-	137	-	-	12	6	-	1	12	285
Field Sparrow	6	-	12	182	-	77	26	6	34	1	143	16	-	10	5	7	7	30	562
Vesper Sparrow	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Savannah Sparrow	-	1	5	-	-	3	1	-	8	-	-	-	-	14	-	-	-	-	32
Grasshopper Sparrow	-	-	-	-	-	1	13	5	-	-	4	-	-	5	-	-	-	-	28
Henslow's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3
Song Sparrow	37	21	7	2	-	143	33	3	1	-	178	-	14	8	1	2	-	-	450
Lincoln's Sparrow	-	-	2	1	-	1	-	-	-	-	2	-	-	1	-	-	-	-	7
Swamp Sparrow	-	-	5	2	-	4	3	-	5	6	1	-	-	-	3	-	-	-	29
White-throated Sparrow	7	3	3	8	-	11	-	1	21	1	6	-	-	16	4	-	5	-	86
White-crowned Sparrow	-	-	1	7	-	-	7	-	-	1	2	-	-	3	-	-	-	-	21
Sparrow sp.	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2

Counties:	And	Blnt	Cheat	Davd	Fayt	Hamlt	Jeff	Knox	Mau	Mon	Put	Ruth	Sev	Shel	Stew	Sum	Wilm	Wils	*Totals*
Dark-eyed Junco	-	-	-	-	-	-	-	-	-	9	-	-	6	-	-	-	-	-	15
Bobolink	16	-	3	-	-	82	-	-	-	-	3	-	-	85	-	-	-	1	190
Red-winged Blackbird	143	22	37	13	15	207	68	33	81	36	330	18	105	170	15	65	4	67	1429
Eastern Meadowlark	46	12	8	33	14	133	66	23	88	5	231	2	35	79	6	2	-	76	859
Common Grackle	65	55	48	265	69	279	182	18	69	36	231	7	70	118	3	14	-	96	1625
Brown-headed Cowbird	25	4	9	57	2	79	36	9	13	2	94	4	1	113	54	-	3	76	581
Orchard Oriole	7	2	3	14	-	16	5	-	13	2	56	-	4	13	3	-	-	5	143
Baltimore Oriole	1	-	-	7	2	6	-	7	1	-	4	-	-	20	1	-	-	-	49
Purple Finch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
House Finch	16	1	1	35	-	46	9	-	16	-	37	-	1	37	-	2	-	9	210
Pine Siskin	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	2	27
American Goldfinch	44	19	12	96	1	288	27	10	252	16	125	2	22	29	6	3	28	107	1087
House Sparrow	36	9	9	14	-	60	34	-	42	6	106	-	17	63	2	5	-	11	414
Total Individuals	2389	781	1681	3773	462	9987	1941	653	3163	863	10230	424	1176	4914	748	833	322	1868	46873
Total Species	116	82	131	134	64	155	106	87	126	84	130	68	81	141	95	67	55	89	206
Temperature (°F.)	55	55	60	62	71	57	55	58	55	55	55	65	55	65	-	70	60	60	55
	-78	-78	-75	-75	-85	-77	-75	-75	-83	-78	-78	-75	-80	-78	-	-75	-70	-85	-85
Observers-parties	8-3	4-2	3-1	23-7	1-1	28-14	4-3	5-3	3-0	1-1	19-7	2-1	2-1	32-8	1-1	1-1	4-1	15-5	156 obs.
Party hours	24	12.66	14.5	40.5	7.25	124	20.5	9.35	21	10.5	78	5.5	11	46.5	10.75	2.75	7.5	26.1	472.36
Hours by car	12	0.83	3	12.25	2.85	-	7.5	0.75	11	2.5	51.25	4	-	21.5	3.5	1	-	16.25	150.18
Hours by foot	9	10.33	11.5	25.25	4.4	-	10	8.6	10	8	26.75	1.5	-	25	6	1.5	7.5	1	166.33
Hrs @feeders/yard	2	1.5	-	-	-	-	3	-	8	-	-	-	-	-	-	-	-	9.83	24.33
Miles by car	163	21	60	85	70	794	135	5.5	300	106	507.5	40	75	81	64	15	-	63	2585
Miles by foot	6	8.5	5	21	4	43	8	5.875	9	7.5	16.5	2	3	21	1	1.6	7	0.25	170.225
Count times	0545	0730	-	-	0645	0500	0700	0710	0000	-	-	-	0700	0610	0535	-	-	0615	
	-1845	-2000	-	-	-1400	-2020	-2100	-1100	-2400	-	-	-	-1800	-1900	-1640	-	-	-2030	

The Migrant, 69 (1): 39-51, 1998.

THE SEASON

RICHARD L. KNIGHT, Editor

Fall: 1 August-30 November 1997

For much of the state, this was a mild, wet autumn period. Near normal to slightly above normal temperatures prevailed through October, while November was cooler than normal. Above average rainfall soaked most areas except the northeastern corner. Based on the number and variety of reports, this seemed to be a good migration season. Two species were found for the first time in Tennessee — a Reddish Egret and a Calliope Hummingbird. Several other rarities, combined with the passage of the expected migrants, kept interest levels high. Three banding stations in the mountain region banded a cumulative total of 2000+ birds. Red-necked and Eared Grebes made early appearances in two regions apiece. White Ibises were found in all but the mountain region. Shorebirds staged an excellent showing. Four species of western hummingbirds were documented; most individuals were banded by Bob and Martha Sargent. Eurasian Collared Doves persisted in Chattanooga and two others were seen in West Tennessee as this species continues its spread in North America; observers should be alert for more to show up.

Among passerines, Olive-sided Flycatchers were reported from all four regions, while a Great Crested Flycatcher lingered remarkably late in East Tennessee. A modest incursion of boreal species began with the widespread arrival of Red-breasted Nuthatches in early September. Pine Siskins occurred widely, although somewhat sporadically, in November. American Tree Sparrows made early appearances in two regions.

Standard Abbreviations

*-details submitted	max-maximum one day count
ad-adult	m.ob.-many observers
b-banded	Mtn.-Mountain
Co.-County	NWR-National Wildlife Refuge
ers-earliest reported sighting	sp.-species
et al.-and others	SP-State Park
im-immature	WMA-Wildlife Management Area
L.-Lake	yg-young
lrs-latest reported sighting	

WESTERN COASTAL PLAIN REGION: Above average rainfall and below normal temperatures did not keep 36 observers from spending 135 days in the field. The early Eared Grebe and Dark-eyed Junco set new West Tennessee arrival records, while the high numbers of Killdeer and Pectoral Sandpipers set new state records.

The Eurasian Collared Dove was the second for West Tennessee. The Marbled Godwit, Red-necked Phalarope, Vermilion Flycatcher, Western Kingbird, Brewster's Warbler and Black-headed Grosbeak provided "fall color" in the area.

Grebe-Merganser: **Horned Grebe**: 9 Nov (1) Dyer Co (WGC); 11 Nov (1) Coro L., Shelby Co. (VBR); 18 Nov (1) Orgill L. (DDP); 29 Nov (1) Herb Parson's L., Fayette Co. (Theresa Graham). **Eared Grebe:** 10-22 Sep (1) Shelby Farms (CHB, VBR), early West Tenn. **American White Pelican:** reports of (100+) Lake Co. (WGC, MAG); (197) Dyer Co. (WGC); (240) Shelby Co. (CHB, CoB, SCF, VBR, BHW). **Least Bittern:** 6 Aug (1) Black Bayou WMA (WGC). **Great Egret:** 21 Aug (800) Everett L., Dyer Co. (WGC), max; 23 Nov (1) Shelby Co. (GCP), lrs. **Black-crowned Night-Heron:** 2-25 Aug/1 Oct (8 ad, 7 im) Whites Lake WMA (WGC); 7 Nov (1) Dyer Co. (WGC). **Yellow-crowned Night-Heron:** 6-30 Aug (1 ad) Black Bayou WMA (WGC); 3 Aug/14 Sep (1/3) Eagle Lake WMA (CHB, Glenda Kieran, PMK, WRP, BHW, JAZ, LVZ). **White Ibis:** 2 Aug (9 im) EARTH Complex (JAZ, LVZ). **Tundra Swan:** 15 Nov into Dec (3) Lauderdale WMA, Lauderdale Co. (Keith Kunkle, CHB, MAG, DDP, GCP, VBR, JRW). **Red-breasted Merganser:** 9 Nov (1) Dyer Co. (WGC); 21 Nov (4) Orgill L. (DDP); 28 Nov (1) Lake Co. (MAG, JRW). **Common Merganser:** 21 Nov (4) Orgill L. (DDP).

Osprey-Crane: **Osprey:** 23 Aug (1) Davy Crockett L., Crockett Co. (MAG); 1 Oct (1) Tiptonville, Lake Co. (WGC); 17 Oct (1) Carroll Co. (OKM). **Bald Eagle:** 15 Oct (2) Shelby Forest SP, Shelby Co. (CHB, CoB, SCF, BTP, VBR, BHW). **Mississippi Kite:** 11 Oct (1) Shelby Co. (JAF, SCF), lrs. **Sharp-shinned Hawk:** reports of (2) Dyer Co (WGC), (1) Shelby Co. (DDP, Van Harris, PMK), (1) Madison Co. (AHH, Helen Hight). **Cooper's Hawk:** reports of (1) Dyer Co. (WGC), (5) Shelby Co. (CHB, SCF, SSL, Fox Miller, BTP, VBR, BHW), (1) Fayette Co. (SNM, MGW), (1) Tipton Co. (DDP). **Peregrine Falcon:** 1 Aug (1 ad) Black Bayou WMA (WGC); 1 Sep (1 im) Shelby Farms (CHB); 1/5 Sep (1 im) Is 13 (WGC); 7 Oct (1 ad) Heloise (WGC); 16/26 Oct (1) Memphis (LCC, MaH, OKM). **King Rail:** 1 Aug (1) Black Bayou WMA (WGC). **Virginia Rail:** 28 Oct (1) Memphis (OKM). **Sora:** 1 Sep (1) Whites Lake WMA (WGC); 9 Oct (1) Shelby Farms (CHB, BTP); 12/19 Oct (4) Eagle Lake WMA (PMK, MTOS). **Sandhill Crane:** 12 Nov into Dec (137 max) Hop-In Refuge, Obion Co. (Ralph Gray); in mid Jan 1996 a total of 467 cranes were reported there.

Plover-Tern: Accessibility to the EARTH Complex was often limited to a few ponds because of impassable roads. Nevertheless, bi-weekly counts were made at the accessible ponds. The observers were: CHB, VBR, MGW, LVZ, JAZ, MTOS. Twenty-five species of shorebirds were reported from counties in West Tenn. For data about species not listed, contact the regional compiler. **Piping Plover:** 17/20 Aug (1) Is 13 (WGC, TOS). **Killdeer:** 24 Aug (2258) EARTH Complex (JAZ, LVZ), state high count. **Black-necked Stilt:** reports of (5) Dyer Co. (WGC) & (69) Shelby Co. **Willet:** 20 Aug (1) Is 13 (WGC). **Upland Sandpiper:** 25 Aug-1 Sep (1-4) Whites Lake WMA (WGC); 27 Aug (1) EARTH Complex (CHB, MGW); 14 Sep (5) Is 13 (DLW). **Marbled Godwit:** 6 Sep (1) Is 13 (MAG, LPH, CAS). **Ruddy Turnstone:** 1-9 Sep (1) Is 13 (WGC). **Western Sandpiper:** reports of (20) Shelby Co. & (3) Dyer Co.; 20 Aug (50) Is 13 (WGC), max. **Least Sandpiper:** 12 Aug thru Nov (2500 max on 13 Sep) EARTH Complex; 15 Oct (1500) Heloise (WGC). **White-rumped Sandpiper:** 12 Aug (1) EARTH Complex; 30 Aug (2) Black Bayou WMA & 26 Sep (1) Heloise (WGC). **Baird's Sandpiper:** 12 Aug/5 Oct (8 max) EARTH Complex; 20 Aug-11 Oct (6 max) Is 13 (WGC, MAG, LPH, CAS); 26 Sep (1) Heloise (WGC). **Pectoral Sandpiper:** 8 Aug-5

Oct (6484 max on 24 Aug) EARTH Complex (MTOS, JAZ*, LVZ), state high count; 6 Sep (500) Is 13 (MAG, LPH, CAS). **Dunlin:** 11 Oct/9 Nov (6/132) Heloise (WGC); 26 Oct (14) Whites Lake WMA (WGC); 2 Oct/5 Nov (3) Shelby Farms (CHB, SCF, VBR, BHW); 16 Nov (1) EARTH Complex. **Buff-breasted Sandpiper:** 10 Aug (1) Shelby Co. (LCC, MaH); 1 Sep-7 Oct (8 max) Is 13 (WGC, MAG, LPH, CAS,, DLW). **Short-billed Dowitcher:** 6 Sep (3) Is 13 (MAG, LPH, CAS); 13 Sep (1) EARTH Complex. **Long-billed Dowitcher:** 6 Sep (9) Is 13 (MAG, LPH, CAS). ***Dowitcher sp.:*** 1-30 Aug (6) Black Bayou WMA , 7 Aug/3 Sep (1) Whites Lake WMA, 9 Aug (1) Phillipy Pits, 9 Sep/1 Oct (1) Heloise (WGC); 20 Sep/12 Oct (1) EARTH Complex; 30 Aug/10 Oct (17) Is 13 (WGC); 19/22 Oct (4) Eagle Lake WMA (CHB, CoB, SCF, SSL, VBR, BTP, BHW). **Wilson's Phalarope:** 15 Aug-6 Sep (1) Is 13 (WGC, MAG, LPH, CAS, TOS); 30 Aug (1) Black Bayou WMA (WGC); 6 Sep (1) EARTH Complex. **Red-necked Phalarope:** 11 Oct (1) Heloise (WGC). Least Tern: 2 Aug (ad feeding chick) TVA pond, Shelby Co. (JAZ, LVZ).

Dove-Pipit: **EURASIAN COLLARED DOVE:** 4 Oct (2) Golddust, Lauderdale Co. (JAF, SCF), second West Tenn. record. **Black-billed Cuckoo:** 2 Aug (1) EARTH Complex (JAZ, LVZ); 6 Oct (1) Shelby Farms (VBR); 11 Oct (1) Wolf River WMA (SNM, MGW); 26 Oct (1) Shelby Forest SP, Shelby Co. (MGW). **Common Nighthawk:** 9 Aug-4 Nov (32 max) Memphis (LCC, MaH); 23 Nov (1) Memphis (MGW), Irs. Barn Owl: 29 Aug (1) Memphis (OKM). **Olive-sided Flycatcher:** 11 Aug (1) Whites Lake WMA (WGC); 21 Aug (1) Horns Bluff Refuge, Crockett Co. (MAG). **Vermilion Flycatcher:** 14 Oct (1 female) Phillipy Pits (AHH, MaH). **Western Kingbird:** 21 Aug (1) Horns Bluff Refuge, Crockett Co. (MAG). **Northern Rough-winged Swallow:** 4 Oct (3000) Is 13 (MAG). **Bank Swallow:** 17 Aug (3000) Is 13 (TOS). **Red-breasted Nuthatch:** 6 Sep (1) Memphis (George Payne); 21 Sep (3) Wolf River WMA (SNM, MGW); 30 Sep (3) Munford (DDP); 5 Oct (1) McKenzie, Carroll Co. (Donna & Louise Ward). **Bewick's Wren:** 10 Oct (1) Wolf River WMA (SNM, MGW). **Sedge Wren:** 10 Oct (1) Wolf River WMA (SNM, MGW); 14 Oct (1) Shelby Farms (VBR). **American Pipit:** 4 Oct/3 Nov (6) Is 13 (WGC, MAG); 16/26 Nov (4) Shelby Farms (CHB, SSL, GCP, VBR).

Vireo-Siskin: **Blue-headed Vireo:** 21 Sep (1) Wolf River WMA (SNM, MGW); 16 Nov (1) Shelby Farms (CHB). **Philadelphia Vireo:** 27 Sep (1) Munford (DDP); 8 Oct (1) Shelby Farms (CHB, SCF, SSL, BTP, VBR, BHW). **Brewster's Warbler:** 24 Sep (1) Munford (DDP), 4th West Tenn. record. **Mourning Warbler:** 6 Oct (1) Shelby Farms (VBR). **Black-headed Grosbeak:** 27 Sep (1) Munford (DDP), 2nd record for this feeder. **LeConte's Sparrow:** 26 Oct (2) Eagle Lake WMA (Van Harris, DDP); 9 Nov (3) Wolf River WMA (SNM, MGW). **Lapland Longspur:** 28 Nov (4) Old Arnold Airfield, Lauderdale Co., (MAG, JRW). **Dark-eyed Junco:** 21 Sep (1) Memphis (James Waldron), early West Tenn. **Purple Finch:** 14 Nov (2) Tipton Co. (DDP); 26 Nov (3) Shelby Farms (CHB, SSL, GCP, VBR).

Locations: Black Bayou WMA - in Lake Co.; Eagle Lake WMA - in Shelby Co.; EARTH Complex - in Shelby Co.; Heloise - in Dyer Co.; Is 13 - Island 13, Lake Co.; Munford - in Tipton Co.; Orgill L. - in Shelby Co.; Phillipy Pits - in Lake Co.; Shelby Farms - in Shelby Co.; Whites Lake WMA - in Dyer Co.; Wolf River WMA - in Fayette Co.

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HIGHLAND RIM AND BASIN REGION: The four-month fall season produced a variety of weather. In Nashville, the total rainfall for the period was 18.5 inches compared to a normal of 13.8 inches. While August and October had normal amounts, both September and November were two inches above normal. The mean average temperature for August through October was normal, while November was again a clear abberation being 5 degrees cooler than normal.

During this period two birds new to Tennessee were seen in the Nashville area. An immature Reddish Egret was identified and photographed on an NTOS field trip to Gallatin Steam Plant. It remained for about a week enabling many birders to see it. Another first, a Calliope Hummingbird, was initially seen coming to an east Nashville yard on 2 November, although its true identity remained a mystery until Bob and Martha Sargent banded it on 3 December. In November a third state record Black-chinned Hummingbird was first seen in a backyard near Franklin. More on these and other hummingbirds in the greater Nashville area will be mentioned in the next report. Other unusual sightings included White-tailed Kite, Prairie Falcon and Yellow Rail.

Additionally, it appears that a whole host of northern invaders plan to spend the winter in the deep south this year. Red-breasted Nuthatches, Pine Siskins and Evening Grosbeaks had already arrived in middle Tennessee by the end of November.

The help of Michael L. Bierly and Margaret L. Mann is greatly appreciated.

Loon-Duck: **Common Loon:** 12 Sep (1) Old Hickory L. (CAS); 13 Nov (90) Center Hill L., DeKalb Co. (SJS); 21 Nov (1) Radnor L. (MLB). **Pied-billed Grebe:** Aug (1 ad with 2 yg) Williamsport Ponds, Maury Co. (David Anderson); 25 Sep (100) Old Hickory L. (CAS). **Horned Grebe:** 18 Sep (2) Radnor L. (JKS, PDC), early. **Red-necked Grebe:** 22 Oct (1) Pennington Bend (MLM), early. **Double-crested Cormorant:** 12 Oct (12) Old Hickory L. (CAS); 11 Nov (21) Radnor L. (PDC, MAZ). **American Bittern:** 16 Sep (1) Cedar Creek, Wilson Co. (John Carreau). **American White Pelican:** 17 Aug (1) Cross Creeks NWR (JKS, CAS, SSH), had injured wing. **Great Egret:** 9 Aug (4) Monsanto Ponds (JKS, MJW); 5 Oct (4) Old Hickory L. (CAS). **Snowy Egret:** 9 Aug (1) Monsanto Ponds (JKS, MJW); 23 Aug (1) Gallatin Steam Plant (NTOS). **Little Blue Heron:** 23 Aug (1) Gallatin Steam Plant (NTOS). **REDDISH EGRET:** 23-30 Aug (1 im) Gallatin Steam Plant (NTOS-MAZ, PDC, CAS, JKS, SSH, then m.ob.), first state record. **Tricolored Heron:** 17 Aug (1) Cross Creeks NWR (JKS, CAS, SSH); 20 Aug (1) Old Hickory L. (CAS). **White Ibis:** 17 Aug (1) Cross Creeks NWR (JKS, CAS). **Snow Goose:** 15 Nov (7) Old Hickory L. (MLB, Gilbert Foster). **Blue-winged Teal:** 15 Oct (133) Shelby Bottoms (FCF, HKC), max. **Gadwall:** 21 Nov (244) Radnor L. (MLB), max. **Canvasback:** 21 Nov (101) Radnor L. (MLB), max. **Redhead:** 21 Nov (4) Radnor L. (MLB). **Ring-necked Duck:** 21 Nov (412) Radnor L. (MLB), max. **Greater Scaup:** 23 Nov (2) Radnor L. (Joe Francis). **Surf Scoter:** 27 Nov (1) Putnam Co. (SJS), 6th Co. record. **White-winged Scoter:** 29-30 Oct (1) Putnam Co. (SJS, GKE, Amy Mercer, David Sugeno), 4th Co. record. **Common Goldeneye:** 4 Nov (3) Radnor L. (MLM). **Ruddy Duck:** 12 Nov (18) Putnam Co. (SJS, GKE, Heather Bolte), local high count.

Osprey-Tern: **Osprey:** 3 Nov (1) Old Hickory L. (CAS), lrs. **WHITE-TAILED KITE:** 17 Nov (1 im) Duck River Unit, Humphreys Co. (Clayton Ferrell, Robert Wheat), perched on dead limb at about 150 yards distance. **Bald Eagle:** 5 Sep (1) Cheatham

Co. (VJS); 28 Nov (1) downtown Nashville (ST). **"Harlan's" Red-tailed Hawk:** 24 Nov (1 ad) Putnam Co. (SJS), apparently the same bird returning for the 6th year. **Prairie Falcon:** 2 Nov (1) Fairview, Williamson Co. (VBR, CHB, SNM, MGW), seen in very good light at 50 feet from car as it flew over. **Wild Turkey:** 16 Oct (18) Culleoka, Maury Co. (John Finney); 18 Oct (8) Davidson Co. (John Carreau). **Yellow Rail:** 2 Nov (1) Warren Co. (CHB, VBR, SNM, MGW), flushed 3 times in a grassy marsh. **Virginia Rail:** 30 Nov (1) Pennington Bend (MLM). **Sora:** 20 Sep (1) Shelby Bottoms (PDC et al.). **American Coot:** 24 Aug / 23 Sep (1 / 8) Old Hickory L. (CAS). **Sandhill Crane:** 17-22 Oct (6) Warren Co (P.D. Grissom); 9-16 Nov (flocks of 14, 60, 500+, 400+, & 165) Putnam Co. (BHS, SJS, GKS, David Sugeno, Richard Simmers); 12 Nov (4) Lewis Co. (GRM); 13 Nov (25) DeKalb Co. (SJS); 15 Nov (41) Warren Co. (SNM); 26 Nov (7) Radnor L. (JKS, Richard Connors). **Black-bellied Plover:** 26 Sep (1) Old Hickory L. (PDC). **Greater Yellowlegs:** 14 Nov (4) White Co. (SJS); 15 Nov (1) Arrow L., Maury Co. (NTOS). **Sanderling:** 12 Sep (1) Old Hickory L. (CAS). **Stilt Sandpiper:** 5 Oct (2) Old Hickory L. (CAS). **Common Snipe:** 2 Nov (12) Warren Co. (CHB, VBR, SNM, MGW). **American Woodcock:** 25 Nov (1 b) Lewis Co. (GRM). **Bonaparte's Gull:** 3 Nov (3) Old Hickory L. (CAS). **Ring-billed Gull:** 20 Aug (2) Old Hickory L. (CAS); 23 Aug (1) Gallatin Steam Plant (NTOS). **Herring Gull:** 30 Sep (2) Old Hickory L. (CAS), ers. **Caspian Tern:** 23 Aug (25) Gallatin Steam Plant (NTOS); 25 Sep (3) Old Hickory L. (CAS). **Common Tern:** 27 Sep (2) Old Hickory L. (CAS). Forster's Tern: 27 Sep (47) Old Hickory L. (CAS). **Black Tern:** 9 Aug (4) Monsanto Ponds (JKS, MJW); 25 Sep (1) Old Hickory L. (CAS); 27 Sep (11) Percy Priest L., Davidson Co. (MLB).

Owl-Waxwing: **Barn Owl:** 22 Aug (2), 6 Sep / 15 Nov (1) Warren Co. (SNM). **Common Nighthawk:** 1 Sep (322) Nashville (MLB). **Ruby-throated Hummingbird:** 3 Nov (1) Nashville (William Midgett), late, see winter report. **BLACK-CHINNED HUMMINGBIRD:** 26 Nov into winter (1) Williamson Co. (Fred & Pat Farley, m.ob.), 3rd state record. **CALLIOPE HUMMINGBIRD:** 2 Nov into winter (1) Nashville (Ed & Evelyn Wright, m.ob.), first state record. **Rufous Hummingbird:** 24 Nov into winter (1) Williamson Co. (Dolores & Martin Gensci, m.ob.). **Red-headed Woodpecker:** 25 Sep (1) Davidson Co. (JKS); 21 Nov (1) Radnor L. (MLB). **Olive-sided Flycatcher:** 14 Sep (1) Shelby Park (PDC, MAZ). **Yellow-bellied Flycatcher:** 4 Oct (1) Radnor L. (CAS); 13 Oct (1 b) Lewis Co. (GRM). **Least Flycatcher:** 31 Aug (1) Cheatham Co. (ST). **Eastern Kingbird:** 22 Aug (68) Warren Co. (SNM), max; 4 Oct (1) Pennington Bend (MLM), lrs. **Horned Lark:** 16 Nov (2) Old Hickory L. (MLB). **Tree Swallow:** 3 Nov (5) Old Hickory L. (CAS); 15 Nov (1) Williamsport Ponds, Maury Co. (NTOS). **Red-breasted Nuthatch:** 1 Sep (1) Byrdstown, Pickett Co. (Robbie Hassler); 5 Oct (1) Culleoka, Maury Co. (Bobby Brown); 24-30 Nov (1) Columbia, Maury Co. (Bedford Lochridge). **Brown Creeper:** 9 Oct (1) Pennington Bend (MLM), ers. **Winter Wren:** 1 Oct (1) Radnor L. (Jane DiPietro), ers. **Sedge Wren:** 21 Sep (1) Shelby Park (PDC); 25 / 27 Oct (2) Shelby Bottoms (NTOS). **Marsh Wren:** 4 / 25 Oct (1) Shelby Bottoms (PDC / NTOS). **Cedar Waxwing:** 20 Nov (133) Radnor L. (FCF).

Vireo-Grosbeak: **White-eyed Vireo:** 12 Oct (1) Shelby Park (PDC), lrs. **Blue-headed Vireo:** 28 Nov (1) Lewis Co. (Mark Mayfield), lrs. **Yellow-throated Vireo:** 19 Oct (1) Shelby Park (PDC, HKC), lrs. **Philadelphia Vireo:** 28 Sep (7) Shelby Park (PDC, MAZ); 4 Oct (2) Radnor L. (CAS). **Blue-winged Warbler:** 1 Oct (1 b) Lewis Co.

(GRM); 15 Oct (1) Radnor L. (PDC, FCF), new Nashville area late date. **Golden-winged Warbler:** 15 Sep (5) Radnor L. (PDC). **Brewster's Warbler:** 16 Sep (1) Nashville (PDC). **Lawrence's Warbler:** 28 Sep (2) Radnor L. (MJW). **Orange-crowned Warbler:** 9/23 Oct (2 b) Lewis Co. (GRM); 22 Oct (2) Shelby Park (PDC); 25 Oct (1) Shelby Bottoms (PDC). **Nashville Warbler:** 11 Oct (4) Shelby Park (PDC). **Magnolia Warbler:** 23 Aug (1) Sumner Co. (CAS), ers; 22 Oct (1) Pennington Bend (MLM), lrs. **Cape May Warbler:** 27 Sep (1) Cookeville, Putnam Co. (David Chaffin). **Black-throated Blue Warbler:** 18 Sep (1) Pennington Bend (MLM); 2 Oct (1) Lewis Co. (Billy & Kay Jones). **Palm Warbler:** 15 Nov (7) Warren Co. (SNM), lrs. **Cerulean Warbler:** 28 Sep (1) Shelby Park (PDC). **Swainson's Warbler:** 13 Sep (1) Cheatham Co. (VJS). **Mourning Warbler:** 29 Aug (1) Nashville (Jan Alexander). **Hooded Warbler:** 15 Oct (1 b) Lewis Co. (GRM). **Rose-breasted Grosbeak:** 15 Oct (50) Shelby Bottoms (HKC, FCF), max. **Indigo Bunting:** 13 Nov (1) Putnam Co. (BHS), latest Co. record. **American Tree Sparrow:** 10 Nov (1) Cheatham Co. (VJS, ST), early. **Vesper Sparrow:** 27 Oct (1) Shelby Bottoms (PDC). **Henslow's Sparrow:** 17 Aug (4 still singing) Stewart Co. (CAS). **Lincoln's Sparrow:** 25 Oct (5) Shelby Bottoms (NTOS). **White-crowned Sparrow:** Oct (1) Radnor L. (PDC), ers. **Dark-eyed (Oregon) Junco:** 30 Oct (1) Nashville (PDC). **Rusty Blackbird:**13 Oct (1) Pennington Bend (MLM), ers. **Brewer's Blackbird:** 4 Oct (1) Pennington Bend (MLM). **Baltimore Oriole:** 7 Sep (5) Radnor L. (PDC, MAZ); 7 Sep (17) Radnor L. (Gilbert Foster). **Purple Finch:** 9 Nov (2) Cheatham Co. (VJS), ers. **Pine Siskin:** 23 Oct (5) Hendersonville, Sumner Co. (Richard Newton); 28 Oct (2) Maury Co. (Anne Lochridge); 2 Nov (2) Nashville (CAS); 11 Nov (20) Maury Co. (Bobby & Jan Brown); 15 Nov (100+) Maury Co. (Harold Scott). **Evening Grosbeak:** 30 Nov (1) Joelton, Davidson Co. (Marlene Proctor).

Locations: Cross Creeks NWR - in Stewart Co.; Gallatin Steam Plant - in Sumner Co.; Monsanto Ponds - in Maury Co.; Old Hickory L. - in Davidson & Sumner Cos.; Pennington Bend - in Davidson Co.; Radnor L. - in Davidson Co.; Shelby Bottoms - in Davidson Co.; Shelby Park - in Davidson Co.

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CUMBERLAND PLATEAU / RIDGE AND VALLEY REGION: Autumn weather varied only slightly from average. August through October experienced near normal temperatures, while November was a bit cooler than average. Rainfall was unevenly distributed, with a near normal seasonal total at Chattanooga, but only two-thirds of the expected amount in the northeastern part of the region.

The general concensus was that this had been a good migratory season. Most regular species were reported in near average numbers. Diversity was good, including several unusual species. Rankin Bottoms, on upper Douglas Lake, hosted 18 species of shorebirds plus other waterbirds. A good variety of wetland birds were also found at Brainerd Levee in Chattanooga. The lone regional hawkwatch at Soddy Mountain reported 13 species of diurnal raptors, including a Northern Goshawk. The warbler flight was regarded as pretty good. A modest boreal influx was noted, with widespread Red-breasted Nuthatches and some scattered siskins and grosbeaks. Two western hummingbirds were found, with one lingering around a feeder for several days.

Loon-Ibis: **Red-throated Loon:** 13 Nov (2) Boone L. (RLK). **Common Loon:** 9 Nov (70) Boone L. (JWC); 11 Nov (220) Fort Loudoun L., Blount Co. (J.B. Owen), max. **Pied-billed Grebe:** 22 Aug (1) Rkn Bot (RLK), ers. **Horned Grebe:** 13 Nov (170) Boone L. (RLK), max. **Double-crested Cormorant:** 17 Aug (60+) Rkn Bot (RLK), max there; 3 Sep (17 flying over) Johnson City (RLK); 15 Oct (22) Aus Spr (RLK), max there; 12 Oct (24 flying over) Soddy Mtn. (WGH); 28 Oct-20 Nov (1-5) Nolichucky Waterfowl Sanctuary, Greene Co. (JBH); 15 Nov (4) Phipps Bend (RLK et al.); 9 Nov (133) Boone L. (JWC). **American Bittern:** 29 Sep/22 Nov (1) Bra Lev (KAC). **Least Bittern:** 29 Sep (3) Bra Lev (KAC). **Great Egret:** 23 Aug (158) Rkn Bot (JWC, AWJ et al.), max there; 21 Nov (1) Hmlt. Co. (WGH), lrs. **Little Blue Heron:** 3 Aug-7 Sep (1-5 im) Rkn Bot (RLK et al.). **Cattle Egret:** 22-23 Aug (21+) Rkn Bot (RLK et al.). **Black-crowned Night-Heron:** 22 Aug (27) Rkn Bot (RLK), max there; 27 Sep (5) Kinser Park (DHM, ACL). **White Ibis:** 13 Aug (13 im) Bra Lev (Janice Chadwell et al.); 24-30 Aug (2 im) Baylor L., Hmlt. Co. (KAC); 27 Sep (1 im) Kinser Park (DHM, ACL). **Glossy Ibis:** 6-11 Sep (1) Bra Lev (Janice Chadwell et al.).

Duck-Turkey: **American Black Duck:** 28 Oct (805) Hiwassee (TWRA), max. **Blue-winged Teal:** 22 Aug/18 Sep (16/120) Rkn Bot (RLK), ers/max; 7/12 Nov (1-2) separate Wash. Co. ponds (RLK), lrs. **Northern Shoveler:** 25 Aug (1) Wash. Co. (RLK); 28 Aug (3) Rkn Bot (RLK); both early. **Gadwall:** 28 Oct (311) Hiwassee (TWRA), max. **Ring-necked Duck:** 28 Oct (492) Hiwassee (TWRA), max. **Surf Scoter:** 16 Nov (1) Monterey, Putnam Co. (SJS). **Hooded Merganser:** 2 Aug (1) Ktn Stm Pl (DJT), probably summered; 22 Nov (140) Ktn Stm Pl (JDJ), max. **Ruddy Duck:** 13 Nov (50) Nolichucky Waterfowl Sanctuary, Greene Co. (JBH); 13 Nov (124) Boone L. (RLK), new local high count.

TABLE 1. Fall 1997 Hawk Watch Totals from Soddy Mountain (WGH et al.) 30 Aug-7 Dec, 49 days

Black Vulture	106	Broad-winged Hawk	1706
Turkey Vulture	1515	Red-tailed Hawk	473
Osprey	24	Golden Eagle	1
Bald Eagle	18	American Kestrel	40
Northern Harrier	28	Merlin	4
Sharp-shinned Hawk	348	Peregrine Falcon	2
Cooper's Hawk	26	unknown accipiter	3
Northern Goshawk	1	unknown buteo	10
Red-shouldered Hawk	19		

Total: 1621 vultures and 2703 hawks = 4324

Turkey Vulture: 9 Nov (763) Soddy Mtn. (WGH), max. **Osprey:** 9 Nov (1) Soddy Mtn. (WGH); 15 Nov (1) Hmlt. Co. (Roi Shannon); lrs. **Bald Eagle:** 6 Aug (1 ad) Kingsport (Joe Taft); 14/18 Sep (1 ad/1 im) Rkn Bot (Mary Erwin, Judy Roach/RLK); 27 Sep (1 im) Kinser Park (DHM, ACL). **Sharp-shinned Hawk:** 12 Oct (77) Soddy Mtn. (WGH), max. **Northern Goshawk:** 11 Nov (1) Soddy Mtn. (WGH). **Broad-winged Hawk:** 26 Sep (61) Big South Fork (BHS). **Red-tailed Hawk:** 9 Nov (138) Soddy Mtn. (WGH), max. **Golden Eagle:** 8 Nov (1) Soddy Mtn. (WGH); 23

Nov (1) Hmlt. Co. (Roi Shannon). **Peregrine Falcon:** 24 Aug (1) Rkn Bot (ABS, HAH, JFK); 22/25 Nov (1) Greene Co. (DHM, ACL/JBH); 2 ad & 1 im present all season at the Chatt nest site (Harold Sharp et al.). **Wild Turkey:** 23 Nov (50 in one field) Wash. Co. (RLK), indicative of regional increase.

Sora-Phalarope: **Sora:** 29 Sep-3 Nov (1) Bra Lev (KAC); 25 Oct-10 Nov (1-3) Ktn Stm Pl (ABS, CJW et al.). **Common Moorhen:** 5-13 Sep (1) Bra Lev (KAC). **American Coot:** 13 Nov (1200) Boone L. (RLK), max. **Sandhill Crane:** 21 Sep (18) Windrock Mtn, Anderson Co. (ABS, HAH, Susan Schott), ers. **American Golden-Plover:** 20-21 Aug (1) Eagle Bend (JMC, BRC, JDJ, ABS et al.); 31 Aug-14 Sep (3-20) Rkn Bot (AJT, JFK, HAH et al.); 11/28 Oct (2) Bra Lev (TLR/KAC). **Semipalmated Plover:** 31 Aug (12+) Rkn Bot (RLK et al.), max. **Killdeer:** 14 Aug (350+) Rkn Bot (RLK), max. **American Avocet:** 18 Sep (10) Kingsport (Mary Erwin et al.). **Greater Yellowlegs:** 15 Nov (1) Phipps Bend (RLK et al.), lrs. **Lesser Yellowlegs:** 10 Nov (1) Knox Co. (AWJ), lrs. **Spotted Sandpiper:** 10 Nov (1) Ktn Stm Pl (AWJ, ABS), lrs. **Upland Sandpiper:** 11 Sep (2) Ktn Stm Pl (ABS). **Marbled Godwit:** 22-23 Aug (2) Rkn Bot (RLK et al.). **Semipalmated Sandpiper:** 22 Aug (10+) Rkn Bot (RLK), max. **Western Sandpiper:** 17 Aug (1) Wash. Co. (JWC); 22 Aug-3 Sep (2-6) Rkn Bot (RLK et al.). **Least Sandpiper:** 28 Aug (75+) Rkn Bot (RLK), max. **Baird's Sandpiper:** 31 Aug-3 Sep (2) Rkn Bot (RLK et al.); 3 Sep (1) Bra Lev (KAC). **Pectoral Sandpiper:** 14 Aug (120+) Rkn Bot (RLK), max. **Dunlin:** 25-31 Oct (9) Ktn Stm Pl (ABS, CJW et al.); 29 Oct (6) Aus Spr (RLK); 8 Nov (40) Hiwassee (DFV et al.); 12/23 Nov (2-1) Wash. Co. (RLK); 13 Nov (1) Boone L. (RLK); 15 Nov (1) Phipps Bend (RLK et al.). **Stilt Sandpiper:** 14 Aug-3 Sep (1-10) Rkn Bot (RLK et al.). **Buff-breasted Sandpiper:** 20 Aug (1) Eagle Bend (JMC, BRC, JDJ, ABS et al.); 22 Aug (1) Rkn Bot (RLK). ***Dowitcher sp.:*** 14 Aug-18 Sep (1-6) Rkn Bot (RLK et al.), all that could be identified were Short-billed. **Common Snipe:** 31 Aug (1) Rkn Bot (RLK et al.), ers. **American Woodcock:** 26 Nov (1) Greene Co. (JBH). **Wilson's Phalarope:** 25-28 Aug (1) Rkn Bot (KAC et al.).

Gull-Sapsucker: **Bonaparte's Gull:** 30 Nov (200) Chickamauga L., Hmlt. Co. (KAC), max. **Caspian Tern:** 17-31 Aug (1-5) Rkn Bot (RLK et al.); 24 Aug (2) Ktn Stm Pl (KTOS). **Forster's Tern:** 3 Aug/18 Sep (1) Rkn Bot (RLK); 8 Aug/7&25 Sep (1-3) Aus Spr (RLK); 10 Sep (2) Cherokee Dam, Grainger/Jefferson Cos. (KDE); 21 Sep (1) Ktn Stm Pl (DJT, KDE, Marcia Davis); 8 Nov (1) Hiwassee (DFV et al.). **Black Tern:** 13 Aug (1) Cherokee Dam, Grainger/Jefferson Cos. (KDE). **Eurasian Collared Dove:** 29 Sep (3) Chatt (KAC). **Barn Owl:** 19-30 Oct (2) Tusculum College, Greene Co. (DHM, ACL); 18 Oct (1) Sequatchie Co. (TLR). **Common Nighthawk:** 3 Sep (1000) Chatt (Harold Sharp), max; 11/18/25 Nov (12+/10/5) Knoxville (CJW), late. **Chimney Swift:** 26 Oct (2) Hmlt. Co. (WGH), lrs. **Ruby-throated Hummingbird:** 27 Oct (1) Hmlt. Co. (JSL), lrs. **BLACK-CHINNED HUMMINGBIRD:** 4 Sep (1 ad male) Oak Ridge (JDJ), seen briefly in yard, violet in gorget noted, second state record. **ALLEN'S HUMMINGBIRD:** 17 Nov-16 Dec (1 im male) Johnson City (Bennette Rowan, m.ob.), banded 3 Dec by Bob & Martha Sargent, first local & fourth state record; the Sargents banded another Allen's 2 Dec at Ringgold, GA, just south of Chatt. **Red-headed Woodpecker:** 1 Sep (1) near Rkn Bot (DHM, ACL); 8/27 Sep (1) Greene Co. (DHM, ACL); 14 Sep (1) Ktn Stm Pl (KTOS); 20 Sep (2) Knoxville (KTOS); 24 Sep (4) Norris, Anderson Co. (JDJ). **Yellow-bellied Sapsucker:** 27 Sep (1) Aus Spr (RLK, JOB), ers.

Flycatcher-Pipit: **Olive-sided Flycatcher:** 27 Sep (1) Wash. Co. (RLK). **Great Crested Flycatcher:** 30 Nov-5 Dec (1) Mosheim, Greene Co. (Linda Northrop*), record late in state by nearly a month. **Eastern Kingbird:** 22 Oct (1) Knox Co. (HAH), lrs. **Horned Lark:** 7 Nov (2) Soddy Mtn (WGH); 22 Nov (4) Hmlt. Co. (KAC). **Tree Swallow:** 23 Aug (500) Rkn Bot (JWC et al.), max; 11 Nov (1) Soddy Mtn (WGH), lrs. **Northern Rough-winged Swallow:** 23 Aug (2000) Rkn Bot (JWC et al.), max. **Blue Jay:** 12 Oct (150+) Soddy Mtn (WGH), often overlooked migrant. **Common Raven:** 21 Oct (1) Camp Creek, Greene Co. (DHM, ACL). **Red-breasted Nuthatch:** 5 Sep (1) Knoxville (JMC, BRC, AWJ, ALM); 6 Sep (2) Big South Fork (SJS); 15 Sep (1) Signal Mtn, Hmlt. Co. (JSL); representative arrivals, widespread. **Brown-headed Nuthatch:** 4+ all season at Ktn Stm Pl (KTOS et al.). **Winter Wren:** 5 Oct (1) Roane Co. (JDJ), ers. Sedge Wren: 29 Sep (6) Bra Lev (KAC). **Marsh Wren:** 27 Sep (1) Bowmantown, Wash. Co. (RLK); 29 Sep/30 Nov (2-1) Bra Lev (KAC); 15 Oct (1) Aus Spr (RLK); 25 Oct (1) Ktn Stm Pl (ABS, CJW); 15 Nov (1) Phipps Bend (RLK et al.). **Ruby-crowned Kinglet:** 5 Sep (1) Knoxville (JMC, BRC, AWJ, ALM), ers. **Gray Catbird:** 15 Nov (1) Norris Dam, Anderson Co, (Roger & Christine Tankersley), lrs. **American Pipit:** 8 Nov (200) Hiwassee (DFV et al.).

Vireo-Grosbeak: **Blue-headed Vireo:** 8 Nov (1) Hmlt. Co. (JSL), lrs. **Warbling Vireo:** 5 Oct (1) Oak Ridge (JDJ). **Philadelphia Vireo:** 18/20 Sep (1) Knoxville (KDE/KTOS); 19 & 27 Sep/1 Oct (1) Johnson City (Jerry Nagel/RLK /RLK); 21 Sep (1) Oak Ridge (JDJ); 23 Sep/5 Oct (1/3) Chatt (KAC). **Red-eyed Vireo:** 26 Oct (1) Hmlt. Co. (WGH), lrs. **Blue-winged Warbler:** 7/20/23 Sep (1) Johnson City (RLK/JOB/RLK); 13 Sep (1) Oak Ridge (JDJ). **Golden-winged Warbler:** 12/26 Sep (1) Big South Fork (SJS); 20 Sep (1) Oak Ridge (JDJ). **Tennessee Warbler:** 25 Oct (1) Knox Co. (JFK), lrs. **Orange-crowned Warbler:** 25 Sep (1) Wash. Co. (James Brooks); 26 Sep (1) Chatt (KAC); 23 Nov (2) Amnicola Marsh, Hmlt. Co. (TLR). **Black-throated Blue Warbler:** 5/11 Oct (1) Big South Fork (SJS); 5 Oct (1) Chatt (TLR). **Blackburnian Warbler:** 21 Oct (1) Greeneville (DHM, ACL), lrs. **Yellow-throated Warbler:** 10 Nov (1) Ktn Stm Pl (AWJ, ABS), lrs. **Palm Warbler:** 23 Nov (1) Sullivan Co. (JWC, LCM); 23 Nov (1) Ktn Stm Pl (JDJ); lrs. **Bay-breasted Warbler:** 5 Oct (58) Big South Fork (SJS, Robert Emmott), max. **Blackpoll Warbler:** 17 Sep (1) Oak Ridge (JDJ); 12 Oct (1) Knox Co. (Susan Hoyle); rare in fall. **Louisiana Waterthrush:** 13 Sep (1) Roane Co. (JDJ, Harriet Joslin), lrs. **Mourning Warbler:** 25 Oct (1) Greene Co. (DHM, ACL). **Common Yellowthroat:** 10 Nov (1) Knox Co. (AWJ), lrs. **Wilson's Warbler:** 21 Sep (1) Ktn Stm Pl (DJT, KDE, Marcia Davis); 23 Sep (1) Norris, Anderson Co. (JDJ, Roger Tankersley); 23/29 Sep (1/2) Chatt (KAC). **Scarlet Tanager:** 25 Oct (1) Ktn Stm Pl (ABS, CJW), lrs. **Indigo Bunting:** 12 Nov (1) Wash. Co. (RLK), lrs. **Chipping Sparrow:** 12 Nov (20) Wash. Co. (RLK), lrs in north. **Vesper Sparrow:** 31 Oct (1) Ktn Stm Pl (RLK, LCM, Dave Worley); 10 Nov (2) Hmlt. Co. (KAC). **Grasshopper Sparrow:** 29 Sep (1) Hmlt. Co. (KAC); 4 Oct (1) Knox Co. (JDJ); 15 Oct (1) Aus Spr (RLK). **Henslow's Sparrow:** 9 Nov (1) Hmlt. Co. (John Henderson, Dan Jacobson). **LeConte's Sparrow:** 1 Nov (1) Greene Co. (DHM, ACL). **Nelson's Sharp-tailed Sparrow:** 21 Sep (1) Ktn Stm Pl (Ron Hoff). **Lincoln's Sparrow:** 28 Sep (1) Knox Co. (DJT, JFK); 29 Sep (1) Bra Lev (KAC); 18 Oct (1) Aus Spr (Fred Alsop, RLK et al.); 9 Nov (1) Hmlt. Co. (John Henderson, Dan Jacobson). **Bobolink:** 31 Aug (14) Ktn Stm Pl (AWJ), max. **Purple Finch:** only a few scattered reports beginning mid Nov. **Pine Siskin:** 22 Oct (1) Hmlt. Co. (Jack Colcolough); 4 Nov (6) Wash. Co. (RLK); 8 Nov (2) Greene

Co. (DHM, ACL); 13 Nov (50) Knox Co. (Paul Pardue). **Evening Grosbeak:** 14-18 Nov (14) Greene Co. (JBH); 18 Nov (1) Hmlt. Co. (Dave Smith); 22 Nov (1) Jefferson Co. (KDE).

Locations: Aus Spr - Austin Springs, Washington Co.; Big South Fork - in Scott Co.; Boone L. - in Sullivan & Washington Cos.; Bra Lev - Brainerd Levee, Hamilton Co.; Chatt - Chattanooga; Eagle Bend - a fish hatchery in Anderson Co.; Hiwassee - Hiwassee River area, primarily Meigs Co.; Hmlt. Co. - Hamilton Co.; Kinser Park - in Greene Co.; Ktn Stm Pl - Kingston Steam Plant, Roane Co.; Phipps Bend - in Hawkins Co.; Rkn Bot - Rankin Bottoms, Cocke Co.; Soddy Mtn - in Hamilton Co.; Wash. Co. - Washington Co.

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EASTERN MOUNTAIN REGION: Eared Grebes showed up very early on South Holston Lake this autumn, their fourth consecutive year present . A raft of coots on the same lake in mid-November was so dense and long (300 m) that they were impossible to count; they were estimated at between 3000 and 4000. Black-bellied Plover, American Golden-Plover, and Ruddy Turnstone were good shorebird records for South Holston Lake.

A strong cold front on 21 September produced a heavy fallout of migrating warblers. This was especially notable at Carver's Gap on Roan Mountain where Rick Knight's banding operation yielded nets full of birds. This banding station handled 727 birds of 45 species for the season. A banding station at Big Bald Mountain operated by the Mayfields captured 1102 birds of 42 species. Both stations are located on the Tennessee-North Carolina border. A low elevation banding station operated at Holston Valley in Sullivan County by Richard Lewis produced 202 birds of 40 species for the period.

Grebe-Duck: **RED-NECKED GREBE:** 2, 4 Oct (1) S. Hol. L. (JWC), 4th lake record, earliest fall record for East Tenn. **Horned Grebe:** 12 Oct (2) S. Hol. L. (LCM et al.), NE Tenn fall early arrival record; 29 Oct (4) Watauga L. (RLK). **EARED GREBE:** 25 Aug (2) S. Hol. L. (JWC, Kevin Hamed, LCM), ers; 5 Oct (19) S. Hol. L. (JLS et al.), max. **Double-crested Cormorant:** 4 Sep (2) Watauga L. (RLK); 14 Sep (1 flying over) Carver's Gap (LCM, RLK, JWC et al.); 12 Oct (12) S. Hol. L. (JWC); 20 Oct (50+) Chota (DJT), max; 10 Nov (26) S. Hol. L. (HPL, RLK). **Great Egret:** 8 Oct (1) Watauga River, Carter Co. (GOW); 9 Nov (1) Shady Valley (JLS), late. **Black-crowned Night-Heron:** 12 Oct (7) S. Hol. L. (JWC et al.). **Yellow-crowned Night-Heron:** 24 Aug (1) Middlebrook L. (LCM, JWC, GL); 27 Sep (2) Eliz. (GOW, HPL). **Snow Goose:** 9 Nov (1 blue morph) Cades Cove (RPL). **Green-winged Teal:** 19 Oct (4) S. Hol. L. (JWC, LCM), ers; 15 Nov (23) S. Hol. L. (JWC), max. **Blue-winged Teal:** 16 Nov (2) S. Hol. L. (JWC, GL), lrs. **Canvasback:** 22 Nov (1) S. Hol. L. (Jo Ann Detta, Marty Huber). **Greater Scaup:** 15 Nov (6) Shady Valley (JLS). **Lesser Scaup:** 13 Nov (80) S. Hol. L. (JWC, RBB), max. **Surf Scoter:** 19 Oct (1) S. Hol. L. (JWC, LCM et al.). **Bufflehead:** 29 Oct (6) Wilbur L. (RLK), ers. **Hooded Merganser:** 23 Oct (1) Middlebrook L. (Kevin Hamed), ers; 22 Nov (185) Middlebrook L. (Bristol Bird Club), max. **Ruddy Duck:** 13 Nov (100) S. Hol. L. (JOB, RBB), max.

Osprey-Crane: **Osprey:** 23 Aug (2) Watauga L. (BKS), ers. **Bald Eagle:** 27 Sep (1 im) Watauga River, Carter Co. (GOW, HPL); 20 Oct (1 im) Chota (DJT); 14 Nov (1

ad, 3 im) S. Hol. L. (LCM, RBB, JOB). **Northern Harrier:** 17 Aug (1) Shady Valley (JLS); 14, 16, 26 Sep (1, 1, 2) Roan Mtn. (RLK). **Red-shouldered Hawk:** 27 Nov (1) S. Hol. L. (LCM, RBB, JOB). **Broad-winged Hawk:** 22 Sep (165) Foothills Parkway, Blount Co. (ABS). **Merlin:** 18 Oct (1) S. Hol. L. (JWC et al.). **Peregrine Falcon:** 6, 20 Sep (1) Big Bald Mtn. (fide Joe McGuiness); 27 Sep (1) Roan Mtn. (AJT); 27 Sep (2) Foothills Parkway, Blount Co. (KTOS); 23 Nov (1 ad) Alum Cave, GSMNP (Susan Hoyle), at nest site. **Northern Bobwhite:** 9 Aug (1) Hump Mtn., Avery Co., NC (RLK), at 5300 ft. elevation near state line. **American Coot:** 23 Aug (1) Watauga L. (BKS), ers; 13 Nov (3000+) S. Hol. L. (JWC, RBB), max, lake record. **Sandhill Crane:** 16 Nov (1) S. Hol. L., Tenn & Va. (Ed Morgan).

Plover-Woodpecker: **Black-bellied Plover:** 17 Aug (10) S. Hol. L. (GL, JWC); 9 Nov (1) S. Hol. L. (RLK, HPL). **American Golden-Plover:** 4, 14 Sep (1) S. Hol. L. (RBB, JWC et al.), second record for the lake. **Greater Yellowlegs:** 21 Sep (1 flying over) Roan Mtn (RLK, AWJ); 1 Nov (1/1) Middlebrook L./Weaver Pike pond, Bristol (JLS); 8 Nov (4) S. Hol. L. (JWS). **Solitary Sandpiper:** 1 Aug (1) Eliz. (RLK), ers. **Ruddy Turnstone:** 14 Aug (1) S. Hol. L. (JWC, Carolyn Coffey). **Pectoral Sandpiper:** 1 Aug (1) Eliz. (RLK), ers. **Dunlin:** 9 Nov (1) Middlebrook L. (RLK, HPL et al.); 10 Nov (1) S. Hol. L. (HPL, RLK). **Short-billed Dowitcher:** 6 Sep (1) S. Hol. L., Va side (JWC, JLS). **Common Snipe:** 11 Oct (1) Carver's Gap (RLK). **American Woodcock:** 30 Aug-9 Oct (1+) Carver's Gap (RLK). **Bonaparte's Gull:** 14 Nov (93) S. Hol. L. (LCM, RBB, JOB), max. **Caspian Tern:** 28 Aug (3) S. Hol. L. (JWC). **Common Tern:** 10 Sep (1) S. Hol. L. (LCM); 9 Nov (1) Middlebrook L. (JWC), late. **Forster's Tern:** 5, 14 Aug (1) S. Hol. L. (JWC et al.). **Black Tern:** 20 Aug (7) S. Hol. L. (LCM, RBB, Ron Carrico). **Mourning Dove:** 5, 19 Sep (1 flying over) Carver's Gap (RLK), high elevation. **Barn Owl:** 21 Aug (1) Hunter, Carter Co. (GOW). **Ruby-throated Hummingbird:** 25 Oct (1 male) Shady Valley (JLS), NE Tenn late departure record. **Red-headed Woodpecker:** 14 Sep (2 flying over) Carver's Gap (JWC, LCM, RLK et al.); 10 Nov (1) Eliz. (Donna Adams). **Red-bellied Woodpecker:** 5 Oct (1 flying over) Carver's Gap (RLK), very unusual at this high elevation.

Flycatcher-Vireo: **Olive-sided Flycatcher:** 27 Sep (1) Roan Mtn (AJT). **Eastern Wood-Pewee:** 27 Sep (30) Cades Cove (KTOS), max. **Yellow-bellied Flycatcher:** 7, 16 Sep (1 b, 1 b) Big Bald Mtn (GRM, RaM). **Great Crested Flycatcher:** 27 Sep (1) Wilbur L. (GOW, HPL, Pete Range), lrs. **Eastern Kingbird:** 21 Aug (21) S. Hol. L. (RBB, Ron Carrico), all seen at one time; 27 Sep (1) Carter Co. (Tom McNeil), lrs. **Carolina Chickadee:** 1 Sep (2, 1 b) Carver's Gap (RLK); 13-22 Sep (4 b) Big Bald Mtn (GRM, RaM); 19 Nov (2) Roan Mtn at 5600 ft. (RLK). **Tufted Titmouse:** 15 Sep -9 Oct (1-2) Carver's Gap (RLK); 12-23 Sep (4 b) Big Bald Mtn (GRM, RaM). **Red-breasted Nuthatch:** 24 Sep (1) Simmerly Creek, Carter Co. (BKS), ers at low elevation; 27 Sep (2) Foothills Parkway, Blount Co. (KTOS). **White-breasted Nuthatch:** 11 Oct (1 b) Carver's Gap (RLK), rather high elevation for this species. **Carolina Wren:** 6 Sep (1) Carver's Gap (RLK). **Winter Wren:** 15 Oct (1 b) Holston Valley (RPL), ers at low elevation. **Golden-crowned Kinglet:** 1 Aug (pair with 6-8 recently fledged yg) Roan Mtn (RLK), later than last date for fledglings in new *Tenn Breeding Bird Atlas*. **Gray-cheeked Thrush:** 20 Sep (1 b) Big Bald Mtn (GRM, RaM). **Swainson's Thrush:** 30 Aug (1 b) Carver's Gap (RLK), ers, 149 b for period; 44 b for period at Big Bald Mtn (GRM, RaM). **Hermit Thrush:** 12 Sep (1 HY b) Carver's Gap (RLK), probably locally raised; 8 Oct (1 b) Carver's Gap (RLK), apparent first

migrant. **Gray Catbird:** 27 Sep (20) Cades Cove (KTOS), max. **American Pipit:** 22 Sep (2) Carver's Gap (RLK), ers; 2, 9 Nov (40+, 70+) Shady Valley (JLS); 9 Nov (50+) Cades Cove (RPL). **Blue-headed Vireo:** 19 Oct (1) GSMNP (Susan Hoyle), lrs. **Philadelphia Vireo:** 12 Sep (1) Carver's Gap (RLK); 12, 22 Sep (1 b, 1 b) Big Bald Mtn (GRM, RaM).

Warbler-Grosbeak: **Blue-winged Warbler:** 23 Aug (1) Simmerly Creek, Carter Co. (BKS); 8 Aug , 16 Sep (1 b, 1 b) Big Bald Mtn (GRM, RaM); 15 Sep (1) Carver's Gap (RLK); 27 Sep (1 b) Holston Valley (RPL); 27 Sep (1) Buffalo Mtn, Washington Co. (RLK). **Golden-winged Warbler:** 6 Sep (1) Roan Mtn (TOS). **Tennessee Warbler:** 23 Sep (138 b) Big Bald Mtn (GRM, RaM), max, 442 b for period there. **Orange-crowned Warbler:** 17-18 Sep (2 b) Big Bald Mtn (GRM, RaM). **Nashville Warbler:** 13-23 Sep (8 b) Big Bald Mtn (GRM, RaM). **Palm Warbler:** 25 Oct (1) Cades Cove (DJT); 27 Nov (4) Shady Valley (JLS), lrs. **Yellow-rumped Warbler:** 27 Sep (5) Cades Cove (KTOS), ers. **Blackpoll Warbler:** 20 Sep (1 b) Big Bald Mtn (GRM, RaM). **Northern Waterthrush:** 31 Aug , 2 Sep (2 b) Big Bald Mtn (GRM, RaM); 1-2 Sep (2 b) Carver's Gap (RLK); 20, 28 Sep (2 b) Holston Valley (RPL). **Kentucky Warbler:** 6 Sep (1) Roan Mtn (Tom Laughlin, RBB); 20 Sep (1) Roan Mtn (RLK); 27 Sep (1) Holston Mtn. (GOW, HPL). **Wilson's Warbler:** 7 Sep (1) Roan Mtn (TOS); 18 Sep (1 b) Big Bald Mtn (GRM, RaM). **American Tree Sparrow:** 15 Nov (2) Shady Valley (JLS), very early, first record for this location. **Field Sparrow:** 1 Sep (1 b) Carver's Gap (RLK). **Vesper Sparrow:** 9 Aug (2) Hump Mtn., Avery Co., NC (RLK), breed here, near state line; 5 Sep (1) Carver's Gap (RLK); 20 Oct (1) Chota (DJT); 24 Nov (5) Shady Valley (JLS). **Lincoln's Sparrow:** 17-23 Sep (2 b) Big Bald Mtn (GRM, RaM); 27 Sep (1 / 1) Eliz. / Roan Mtn (HPL / AJT); 20 Oct (1) Chota (DJT). **Swamp Sparrow:** 27 Sep (2) Wilbur L. (HPL), ers. **Bobolink:** 27 Sep (5) Eliz. (GOW, HPL). **Eastern Meadowlark:** 16 Oct (1 flying over) Carver's Gap (RLK). **Purple Finch:** 27 Sep (1) Shady Valley (JWC), ers. **House Finch:** 5 Sep (2 flying over) Carver's Gap (RLK). **Red Crossbill:** 6 Sep, 8 / 16 Oct (1-2) Carver's Gap (RLK). **Pine Siskin:** 1-4 all season at Carver's Gap (RLK); 15 Nov (32) Shady Valley (JLS), max. **Evening Grosbeak:** 9 Nov (1) Townsend, Blount Co. (RPL), ers; 23 Nov (16) Shady Valley (JLS), max.

Locations: Big Bald Mtn. - in Unicoi Co.; Cades Cove - in Great Smoky Mountains National Park; Carver's Gap - 5500 ft. on Roan Mountain, Carter Co.; Chota - Chota Waterfowl Refuge, Monroe Co.; Eliz. - Elizabethton, Carter Co.; GSMNP - Great Smoky Mountains National Park; Holston Valley - in Sullivan Co.; Middlebrook L. - in Sullivan Co.; Roan Mtn. & Roan Mtn SP - in Carter Co.; Shady Valley - in Johnson Co.; S. Hol. L. - South Holston Lake, Sullivan Co.; Watauga L.-in Carter Co.; Wilbur L. - in Carter Co.

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Mrs. Mildred Ansley	5052 Lakeview Drive	Nashville, TN	37220	615-373-0142
Jack & Sue Ansley	3308 Lealand Lane	Nashville, TN	37204	
Trisha Ardovino	707 E Grimes Lane	Bloomington, IN	47401	
Charles E. Askew	189 Pinehurst Ave.	Memphis, TN	38117	901-682-0845
Ms. Shan Bacon	127 N. Maple St #19	Somerset, KY	42501	606-679-4808
Duane E. Baker	1415 Leafhaven Cove	Cordova, TN	38018	901-755-1172
Ruth M. Baker	191 Judson Dr.	Gray, TN	37615	423-239-5044
Ilene Barcroft	5060 Appalachian Dr.	Goodlettsville, TN	37072	615-672-8426
Basil C. Barkley	1202 Bair-Vette Ave.	Johnson City, TN	37604	
James R. Barnwell	100 Asbury Oak Lane #135	Chattanooga, TN	37419-2200	423-622-0329
Dianne P. Bean	5312 E. Taylor St., Apt. 227	Phoenix, AZ	85008-6753	602-306-4757
Buddy & Ivon Beaver	293 Riley Rd.	Hernando, MS	38632	601-429-9364
Dorothy Beck	408 Chesterfield	Nashville, TN	37212	615-297-7448
Dennis & Deborah Becker	9508 B. Ann Street	Ooltewah, TN	37363	423-238-5218
Alice Beeman	P.O. Box 389	Pleasant Hill, TN	38578-0389	423-277-3100
Jane Beintema	3311 Mount Vernon Drive	Knoxville, TN	37920-3730	423-573-7744
Betty Belcher	4107 Woodland Drive	Ooltewah, TN	37363	423-855-0736
Vernon C. & Earline C. Berry	1255 Highway 109 North	Lebanon, TN	37090	615-444-7047
Frank Bills & Sharon Bostick	7720 Sabre Drive	Knoxville, TN	37919-7174	423-531-8096
Ron & Barbara Bishop	3610 Campbellsville Pike	Columbia, TN	38401	931-388-3870
Deborah M. Blackburn	3200 Foster Road	Lenoir City, TN	37771	423-986-6483
Maria I. Blair	8402 Standifer Gap Road	Chattanooga, TN	37421	423-899-7906
John A. Blancq	3300 Tylertown Cove	Bartlett, TN	38134	901-495-2148
David & Betty Blaylock	1800 Autumn	Memphis, TN	38112	901-725-7640
Mr. & Mrs. Walter Bledsoe	12920 Georgetown Village Ln.	Georgetown, TN	37336	423-961-2050
Bruce Blohm	2520 Crosswinds Lane	Chattanooga, TN	37421	423-894-6294
Clyde Del Blum	3223 Swanger Rd.	Signal Mountain, TN	37377-9801	423-886-4130
Cookie Blythe	7168 Highway 4	W. Senatobia, MS	38668	601-562-5607
Paul Boling	7761 Devonshire Dr.	Knoxville, TN	37919	423-769-4017
Susan & Stephen Bowden	4466 Tulane	Nesbit, MS	38651	601-342-1561
Marlys Boyd	825 Runyan Drive, Apt. D-2	Chattanooga, TN	37405	423-870-4025
Katherine K. Boyles	1665 Dietz Road	Ringgold, GA	30736	706-866-9259
Paul C. & Joanne Bradshaw	P.O. Box 21592	Chattanooga, TN	37421	423-892-8155
Tammy Braithwaite	1898 Walker	Memphis, TN	38104	901-278-2528
Mary K. Breeden	512 Acorn Ct.	Chattanooga, TN	37415	423-877-5593
Amy Brewer	5864 Edgewater Cove, Apt. 7	Memphis, TN	38134	901-372-6913
Michael Brewer	9447 Lazy Circles Dr.	Ooltewah, TN	37363	
Edith S. Bromley	8012 Savannah Lane W.	Ooltewah TN	37363	423-238-4566
James Brooks	114 Malone Hollow Road	Jonesborough, TN	37659	423-753-7831

Bobby & Janet Brown	2171 Glencoe Road	Culleoka, TN	38451	615-987-3036
Claude W. Brown	3731 Charleston Square	Memphis, TN	38122	901-323-5713
Janet D. Brown	3305 Pine Timbers	Johnson City, TN	37604	423-283-4433
Kathleen P Brown	1716 Charlotte Drive	Elizabethton, TN	37643	423-543-4091
Ralph & Leslie Brown	672 E. Crest Road	Chattanooga, TN	37404	
Robert Lee Browne	2029 Peabody Ave.	Memphis, TN	38104	901-725-4662
Ben & Debbie Bruce	704 S. Mendenhall	Memphis, TN	38117	901-681-9837
Mr. & Mrs. Jared Bruckner	P.O. Box 362	Collegedale, TN	37315	423-396-9144
Palmira Brumett & James Fitzgerald,	8708 Kingsbridge Dr.	Knoxville, TN	37923	423-974-5421
Mr. & Mrs. John Bruner	2752 Old Salem Lexie Road	Belvedere, TN	37306	931-967-3279
Carolyn H. Bullock	4746 Cole Rd.	Memphis, TN	38117	901-683-3818
Edward W. Burke, Jr.	1307 Rock Rose Road	Bristol, TN	37620	423-764-4235
Emily Burkey	400 Walling Drive	Piney Flats, TN	37686	423-323-9367
Mark, Jennifer & Amber Burkey,	400 Walling Drive	Piney Flats, TN	37686	423-323-9367
Dr. John M. Burkhart	5629 Tazewell Pike	Knoxville, TN	37918-9264	423-688-1582
Mr. & Mrs. Patrick Burkhart	1118 Whitehall Street	Maryville, TN	37803	423-983-1555
Tom & Betty Burleson	265 Owl Hollow Lane	Winchester, TN	37398-3812	931-967-5171
Mrs. Mary E. Butler	3212 Westonia Drive	Chattanooga, TN	37412-1361	423-624-5628
Mary Lynn Buttram	1409 Winding Way	Chattanooga, TN	37405	423-265-3401
Thomas Edward Byrne	224 Brattlesboro Place	Nashville, TN	37204-4249	615-460-7663
Mr. & Mrs. William Caldwell	6020 Porter Drive	Harrison, TN	37341	423-344-5674
Kevin Calhoon,	1185 Mountain Creek Rd., Apt. 715	Chattanooga, TN	37405	423-875-0595
Mrs. Mary Calhoun	1560 Providence Road	Lebanon, TN	37087	615-374-2435
Mary Anne Callahan	3506 Stoney Brook Ln.	Chattanooga, TN	37415	423-875-5345
Carl W. & Ora Belle Campbell	Rt. 3, Box 178	Decatur, TN	37322	423-334-3547
Mr. & Mrs. James M. Campbell	25 Riverview Drive	Oak Ridge, TN	37830-7282	423-483-6018
Mrs. James M. Cantrell	1607 Georgetown Lane	Murfreesboro, TN	37129	615-893-4691
Coleen D. Carboni	611 Valley Bridge Road	Chattanooga, TN	37415	423-870-5619
Frederick T. Carney	1914 Overton Park Ave.	Memphis, TN	38112	901-726-1394
Edward & Tina Carpenter	P.O. Box 192258	Little Rock, AR	72219	501-562-8957
Thais Carr	P.O. Box 175	Thompson's Station, TN	37179	615-790-0419
Ron & Chris Carrico, Rob Biller	Rt. 4, 204 Shady Lane	Bristol, TN	37620	423-878-2612
Eileen Cartwright	8565 Sawyer Brown Rd.	Nashville, TN	37221-2404	615-673-1122
Joyce Casey	1532 Thrasher Pike	Hixson, TN	37373	
James S. & Betty Caskey	4686 Howardsville Rd.	Apison, TN	37302	423-236-4837
Helen Cason	7909 Eldin Way	Powell, TN	37849	
Hazel K. Cassel	491 Hogan Road	Nashville, TN	37220	615-832-1653
Lanette Cassell	1703 Dexter Avenue	Lawrenceburg, TN	38464	615-762-4124
Phillip Casteel	2722 Bobby Avenue	Nashville, TN	37216	615-226-6503
Carl & Janice Chadwell	227 W. Highland Drive	Ringgold, GA	30736	706-891-9573
Dr. David Chaffin	1606 Everhart Drive NW	Cleveland, TN	37311-1523	423-472-0832
Tom & Elaine Chittenden	561 Highland Ave.	Cleveland, TN	37311	
Dr. Howard Chitwood	1432 Royal Drive	Jefferson City, TN	37760	423-475-3943
Mrs. Bertha Chrietzberg	1715 Elrod	Murfreesboro, TN	37130	615-896-1146
Carla Christensen	3714 Knollwood Dr.	Chattanooga, TN	37415	423-875-8963
Dan Christopher	1104 Valley Road	Jasper, AL	35501-4927	205-384-4850
Dr. Robert & Sally Clark	2924 Ozark Road	Chattanooga, TN	37415	423-756-3237
Ann Clarke	3252 Old Chattanooga Rd.	Tunnel Hill, GA	30755	706-673-2033
Robert & Hazel E. Clayton	222 Hearthstone Manor Lane	Brentwood, TN	37027-4371	615-221-4904
Edward & Meredith Clebsch	5737 Fisher Lane	Greenback, TN	37742	423-856-3350
Steve & Gail Clendenen	11017 Farragut Hills Blvd.	Knoxville, TN	37922	423-966-8964
Ms. Phyllis J. Coble	2204 Union Place Court	Columbia, TN	38401	615-540-8529
David Coe	351 Greenview Rd.	Sewanee, TN	37375	
Lula C. Coffey	672 N. Belvedere	Memphis, TN	38107	901-278-2283
Wallace & Carolyn Coffey	100 Bellebrook Drive	Bristol, TN	37620	423-764-3958

John J. Colcolough	1221 Sunset Dr.	Signal Mountain, TN	37377	
Paul Cole	8520 Blanche Road	Ooltewah, TN	37363	423-238-5033
Gene & Carol Coleman	1506 Bexhill Drive	Knoxville, TN	37922	423-690-5558
Dr. Robert H. & Louise Collier, Jr.,	326 Granville Conner Rd.	Powell, TN	37849	423-938-4050
Bernard Collins	2116 Ballard Place	Chattanooga, TN	37421	423-894-1602
Linda Collins	2907 East Brow Rd.	Signal Mountain, TN	37377	423-886-4522
Mike & Sherry Collins	2920 Bede	Memphis, TN	38128	901-388-2729
Mr. & Mrs. Brainard Cooper, Jr.	176 Ridge Avenue	Chattanooga, TN	37404	423-622-6081
Lynn P Coppinger	222 County Rd. 571	Englewood, TN	37329	
C. Kinian Cosner, Jr.	3818 West End Avenue #302	Nashville, TN	37205-2467	615-298-2707
Otey & Ines Cottrell	212 Lynnview Ave.	Knoxville, TN	37918	423-687-3026
Cecile Counts	519 West Spring Street	Lebanon, TN	37087	615-444-0016
Charles & Joyce Court	9327 River Bluff Rd.	Millington, TN	38053	901-876-6215
Dorothy S. & Charles Cowan	1426 Tree Haven Cove	Cordova, TN	38018-6097	901-755-3540
Byron C. & Donna Cox	306 Bass Road	Chattanooga, TN	37421	423-894-9742
Gordon & Philomena Cox	831 W. Powell Road	Collierville, TN	38017	901-853-7042
Mrs. Dorothy Draughon Cozart,	520 Fairfax Ave.	Nashville, TN	37212	615-297-1547
Jane Crane	7155 State Road 194	Williston, TN	38076	901-854-6651
Joy & Mark Crass	106 Wren Way	Johnson City, TN	37601	423-929-1125
Mr. Frank Crawford	1616 Ponderosa Trail	Lebanon, TN	37087	615-444-4990
Major Robert L. Crawford	P.O. Box 613	Hixson, TN	37343	423-842-4402
Miss Annella Creech	8 McKendree Circle	Hermitage, TN	3707	615-885-6877
Jenny Croker	6101 Fisher Lane	Greenback, TN	37742	423-856-7439
Theresa Cross	595 Cadraca, Apt. 14	Memphis, TN	38122	901-761-8118
Randall C. Crowe	1758 Hidden Hills Rd.,Suite 112	Gatlinburg, TN	37738	
Thelma Hughes Cumbie	Route 2, Box 141	Bakersville, NC	28705	704-688-4692
George & Mary Cushman	117 Saligugi Way	Loudon, TN	37774	
Ken & Lisa Cutsinger	RR1 Box 377-D	LaFollette, TN	37766	423-566-5934
Dr. D. R. Cutten	107 McDermott's Way	Madison, AL	35758	
Harry & Anne Dadds	1819 Auburndale Ave.	Chattanooga, TN	37405	423-267-6114
Julian & Jeanne Darlington	3112 Glenfinnan Rd.	Memphis, TN	38128	901-357-9010
Libby & Jim Daughdrill	91 Morningside Park	Memphis, TN	38104-3037	901-323-9570
Richard E. Davis	520 Wedgewood Drive	Alcoa, TN	37701	423-977-6566
Don Davidson	1703 2nd Avenue	Manchester, TN	37355	931-728-7364
Marcia L. Davis	3450 Navigator Pointe	Knoxville, TN	37922	423-690-9214
Leba Dawkins	3600 Keith St. NW #1206	Cleveland, TN	37312	423-478-2056
Norm & Cindy Day	11417 N. Couch Mill	Knoxville, TN	37931-2908	423-927-1417
Ralph & Judith Deaderick	1220 Dogwood Drive	Kingston, TN	37763	423-376-6016
Gilbert & Marinel Derouen	905 Carroll Creek Rd.	Johnson City, TN	37601	423-283-7767
Maria Derrick	8601 Glenaire Dr.	Chattanooga, TN	37416	423-344-0638
J. B. & Becky Dethero	2230 Harris Circle	Cleveland, TN	37311	423-472-7313
Joann Detta & Marta Huber	19188 Jonesboro Rd.	Abingdon, VA	24211	
Dick Dickenson	7724 Kingsmeade Road	Powell, TN	37849	423-938-7952
Mrs. Harold L. Dillenbeck	137 Woodcrest Lane	Johnson City, TN	37601	423-926-1338
Mrs. Henry Dinkelspiel	6519 Massey Lane	Memphis, TN	38120	901-767-6433
Ms. Jane DiPietro	4421 Wayland Drive	Nashville, TN	37215	615-665-2700
Louis A. & Kathy Dittmar	323 Shadow Ridge Drive	Chattanooga, TN	37421	423-855-8429
Douglas Dorer & Mary Anne Jones,	2820 Hazelwood Dr., Apt. A-7,	Nashville, TN	37217	615-463-0001
Judy Dorsey	3336 Homewood Dr.	Memphis, TN	38128-4410	901-452-9647
Ms. Marian R. Dorsey	408 Chesterfield	Nashville, TN	37212	615-297-7448
David W. Dortch	11202 South Course View	Franklin, TN	37067	615-771-6530
Frances Dowdy	3630 Sharpe Ave.	Memphis, TN	38111	901-744-2559
Randall L. & Linda Doyle	207 Greenleaf St.	Chattanooga, TN	37415	423-875-9173
Earl & Marie Drake	616 Edgefield Drive	Hohenwald, TN	38462-1919	615-796-3507
Kenneth H. Dubke	8139 Roy Lane	Ooltewah, TN	37363	423-238-4969

Lillian Dubke	8139 Roy Lane	Ooltewah, TN	37363	423-238-4969
Mrs. Milbrey Dugger	8 McKendree Circle	Hermitage, TN	37076	615-885-6877
Ruth & Hickman Duncan	5406 Hill Road Circle	Nashville, TN	37220	615-833-6694
Sandra Duncan	628 Timber Lake	Nashville, TN	37215	615-297-0467
Kemper & Lillian Durand	805 Harbor Isle Circle West	Memphis, TN	38103	901-526-1096
Ann E. Eagar	4309 Via Alta Drive	Mobile, AL	36609	
John W. & Marian Eaton	4304 Dalton Pike S.E.	Cleveland, TN	37323	423-472-6751
Jimmy & Charlotte Edmondson	377 Randi Cir.	Dayton, TN	37321	423-???-1338
Dean Edwards	521 E. Old A.J. Hwy	Jefferson City, TN	37760	423-475-4592
Maurice E. Edwards	3818 Walden Wood Lane	Signal Mountain, TN	37377	423-886-4577
Tommy Edwards	P.O. Box 309	Williamsport, TN	38487	
Glen D. Eller	306 Fleetwood Drive #3	Lynchburg, VA	24501-3906	804-239-3519
Harold R. Elphingstone	2484 Black Fox Trail	East Point, GA	30344	404-344-5325
Clare Emery	15 Edwards Terrace	Chattanooga, TN	37412	423-785-3356
Billy & Lula Erwin	118 Carol Drive	Murfreesboro, TN	37128-3806	615-893-0495
Mary Jane Erwin	500 Red Oak Lane	Kingsport, TN	37663	423-239-3781
Glen Estep	1102 Country Club Drive	Tullahoma, TN	37388	931-455-1555
Jane B. Farris	3695 Old Rome Pike	Lebanon, TN	37087	615-444-0708
Frank Fekel	8612 Sawyer Brown Rd	Nashville, TN	37221	615-646-8019
Dr. David K. Fenner	P. O. Box 909	Elizabethton, TN	37643	423-543-8216
Jim & Sue Ferguson	5340 Canewood Cove	Memphis, TN	38134	901-386-3759
George & Julie Fiedler	1511 Windermere Drive	Columbia, TN	38401	615-381-9616
Todd Fiedler	100 Council Fire Drive	Chattanooga, TN	37421	
Ivan Field	Box 147	Wartrace, TN	37183	931-389-6283
James & Barbara Finney	5213 Whitehorse Rd.	Knoxville, TN	37919	423-584-9734
Frank L. & Jaqueline G. Fisher	2730 Buffalo Trail	Morristown, TN	37816	423-586-3144
Sharon C. Flair	2816 Alhambra Circle	Nashville, TN	37207	615-227-3650
Jane Fleenor	309 Corpus Christi Drive	Bristol, TN	37620	423-764-3291
Wendell Fleischhacker	PO Box 266	Antioch, TN	37011	615-360-2061
Karen & Scott Forbes	3756 Friar Tuck	Memphis, TN	38111	901-323-3073
Dr. Susan Ford	2458 Happy Creek Road	Sevierville, TN	37876	423-429-0055
Ivan & Karen Foster	1901 Little Barton's Creek Rd,	Cumberland Furnace, TN	37051	615-763-0067
Mr. & Mrs. David Foutch	181 Goshen Road	Lebanon, TN	37087	615-444-2275
Marylu Fowler	100 James Blvd. W-303	Signal Mtn., TN	37377	423-886-0456
Morgan & Betty Fowler	10525 Brunswick Road	Atoka, TN	38004	901-829-4517
Bill & Betty Fowler	4564 Willow Rd.	Memphis, TN	38117	901-682-1485
Tarcila Fox	1420 Neely's Bend Rd	Madison, TN	37115	615-868-2078
Joe Francis	2535 Ashwood Ave.	Nashville, TN	37212	615-383-7462
Jenni Frankenberg	4103 Watson Road	Chattanooga, TN	37415	423-875-4799
Dr. John R. & Charlotte Freeman	3116 North Lockwood Dr.	Chattanooga, TN	37415	423-877-2828
Elizabeth French	36 Ridgeview Drive	Chickasaw, AL	36611	205-452-1121
Mary Laura French	325 Cunningham Street	Maryville, TN	37803	423-983-4956
Kate Friedman	5269 Brantford Road	Memphis, TN	38120	901-683-1404
John Froeschauer	258 Thuss Avenue	Nashville, TN	37211	615-333-7986
Julia Fugate	3419 Alta Vista Dr	Chattanooga, TN	37411	423-624-6507
Dr. & Mrs. William G. Fuqua	2799 Pulaski Highway	Columbia, TN	38401	615-388-5825
Danny & Anita Gaddy	PO Box 9613	Chattanooga, TN	37412	
John & Mary Gaither	1082 Constitution Drive	Chattanooga, TN	37405	423-267-7564
Richard B. Gammage	202 Scenic Drive	Oak Ridge, TN	37830	423-483-4141
Murray L. Gardler	1025 Canongate Dr.	Flower Mound, TX	75028	972-355-2843
Stephen J. & Regina Garr	1500 Cooks Road	Mt. Juliet, TN	37122	615-444-1059
Sarah Garrett	211 Fairway Dr	Abingdon, VA	24210	
Mildred B. Gaston	109 Oak Hill Circle	Lebanon, TN	37087	615-444-4077
Graham, Sharon & Bruce Gellin	4315 Beekman Drive	Nashville, TN	37215-4503	
Douglas Geren	1840 Harle Ave.	Cleveland, TN	37311	423-479-9309

John & Martha Gibson	15090 Mt. Vernon Circle	Bristol, VA	24202	540-669-4803
Mrs. Katherine Gilliam	107 S. Ramsey	Manchester, TN	37355	931-728-3984
Brice & Beverly Gilmer	957 Bluff View Dr.	Knoxville, TN	37919	423-524-1993
Blair Glenn	2501 Ashwood Ave.	Nashville, TN	37212	615-292-5462
Virginia Goins	402 Dell Trail	Dunlap, TN	37327	423-949-2223
Joseph & Evelyn Goldston	21668 Jade Woods Dr	Bristol, VA	24202	
Virginia & Henry Goodpasture	115 Woodmont Blvd. A#303	Nashville, TN	37205-2220	615-297-0703
Boyd Goss	2288 Gunbarrel Rd, Suite 111-216,	Chattanooga, TN	37421	423-352-0638
Bill Graeler	617 Henley Street	Manchester, TN	37355	931-728-6528
Theresa Graham	P.O. Box 366	Oakland, TN	38060	901-465-4263
Mr. & Mrs. James H. Graves	28-1/2 B Church Street	Poultney, VT		
Martha E. Green	200 E. Webster Street #915B	Madison, TN	37115-4806	615-868-3912
Mrs. Sarah Greene	500 Elmington Avenue #206	Nashville, TN	37205-2508	
Ron & Adam Griffin	4677 Normandy Avenue	Memphis, TN	38117	901-681-9964
Keating Griffiss	106 Scenic Highway	Lookout Mountain, TN	37350	423-821-2883
Daphne Griggs	114 Guard Dr.	Lawrenceburg, TN	38464	615-762-4295
Billy C. & Sandra L. Grimm	608 Lima Court	Maryville, TN	37803-4307	423-681-3910
Bettye Grubbs	8105 Holly Crest	Chattanooga, TN	37421	423-894-6655
Edgar O. Grundset	Box 465	Collegedale, TN	37315	423-396-2810
James Guffey	PO Box 467, Oakland Dr	Athens, TN	37371	
Joe & Joan Guinn	8382 Davenport Cove	Germantown, TN	38138	901-754-5755
Mary Ann & Tom Guschke	141 Oakwood Lane, Palm Beach	Gardens, FL	33410	561-626-7310
Mildred Guy	219 Cat Creek Road	Manchester, TN	37355	931-728-2865
Aaron Gwin	511 W. Roselawn	West Memphis, AR	72301	901-735-2774
Mark S. Hackney	2321 Carter Avenue	Nashville, TN	37206	615-228-1455
Jerry Hadder	3051 Kingston Pike	Knoxville, TN	37919	423-524-8239
Mr. Kenneth Hale	361 Walnut Hill Road	Bristol, TN	37620-7052	423-764-8592
William G. Haley, Jr.	215 McFarland Avenue	Chattanooga, TN	37405	423-756-4106
Bill & Cherrie Hall	747 Rodney Drive	Nashville, TN	37205	615-356-0949
Jim & Bette Halverstadt	25 Julien Court	Fairfield Glade, TN	38555	
Ms. Christine Hamada	Lee College PO Box 3450	Cleveland, TN	37321	423-559-2017
James & Debra Harper	4610 Elridge Road	Hixson, TN	37343-4224	
Mrs. Marjory B. Harper	305 Crestwood Drive	Tullahoma, TN	37388-2923	931-455-5804
Ms. Barbara Harris	1312 Cardinal Ave.	Nashville, TN	37216	615-227-4372
Dennis & Gwendolyn Harris	P.O. Box 21901	Chattanooga, TN	37424-0901	423-855-4306
Van & Nancy Harris	7790 Deer Lake Drive	Millington, TN	38053-5134	901-876-3337
Paul D. Hartigan	824 Thomas Circle	Seymour, TN	37865	423-573-0280
Dot & Jim Harwood	6390 Massey Hill	Memphis, TN	38120	901-763-2187
Sue M. Haskett	155 Rosemary Dr. #6	Southaven, MS	38671	601-349-0286
Robert M. Hatcher	324 Leopole Rd.	Nashville, TN	37211	615-833-1154
Shawn Hawkins	3304 Fairway Dr.	Knoxville, TN	37917	423-525-2620
Tom & Juanita Hawkins	4403 Long Hollow Pike 25	Goodlettsville, TN	37072	615-859-6104
Douglas F. & Geraldine Hayes	PO Box 1294	Hixson, TN	37343	423-877-1824
Dianna L. Haynes	5308 Cain Road	Knoxville, TN	37921	423-588-0285
Tim & Elaine Hazelwood	1002 Copper Still Ct.	Kingston Springs, TN	37082	615-952-5354
Tony, Dawn & Lee Headrick	1512 Hall Acres Drive	Knoxville, TN	37918	423-687-9956
Harley & Annie Heilman	429 Rivermont Drive	Clarksville, TN	37043	615-645-9338
Martha Heinemann	705 N. Belvedere	Memphis, TN	38107	901-725-7228
Richard & Elsie Heintz	2171 Cordes Rd.	Germantown, TN	38138	901-755-3541
John Henderson	7323 Fairington Circle	Hixson, TN	37343	423-842-3568
Kenneth M. & Sandra Hereford	2440 Haven Cove	Chattanooga, TN	37421	423-892-2123
Lois M & John Herndon, Ann Hoeke,	239 Peregrine Lane	Chuckey, TN	37641	423-257-7789
Paul Hertzel	283 Wallace Rd	Martin, TN	38327	901-587-0700
Kathryn Hicks	413 S. Mission Ridge Road	Rossville, GA	30741	706-866-1658
Fran Hiestand	8935 N. Hickory Valley Road	Chattanooga, TN	37416	423-344-9270

Mr. & Mrs. Charles T. Higgins	1032 Sunset Dr.	Signal Mtn, TN	37377	423-886-1111
Gordon Hight	P.O. Box 1626	Rome, GA	30162	
David & Charlotte Hill	5385 Gwynne Road	Memphis, TN	38120-1908	901-680-0002
Mark & Catherine Hill	7037 Duncan's Glen Dr	Knoxville, TN	37919	
Jacqueline & Elizabeth Hinshaw,	12 Crouch Court	Gray, TN	37615	423-283-0295
Mr. & Mrs. Everett Hixson	PO Box 4856	Chattanooga, TN	37405	423-267-5847
Audrey Hoff	4523 McCloud Rd.	Knoxville, TN	37938	423-922-4006
Ron Hoff & Dollyann Myers	282 Hackworth Lane	Clinton, TN	37716-5141	423-435-4547
Caryl Hogsett	2500 Wester Street	Hixson, TN	37406	423-622-2713
Dr. Robert M. Hollister	316 Battle Avenue	Franklin, TN	37064	615-794-1123
Connie Hollman	811 N. Military Street	Lawrenceburg, TN	38464	615-762-2227
Susan Hollyday	211 Wauford Drive	Nashville, TN	37211	615-834-0006
Wanda Holt	88 Kimberly Lane	Manchester, TN	37355	931-728-4582
Norman G. Holtz	1213 17th Street NW	Cleveland, TN	37311	423-476-6817
Pamilla Hopkins	378 Normandy Circle	Nashville, TN	37209	
Charles & Linda Hosey	4247 Autumn Woods Ct.	Stone Mountain, GA	30083	404-296-1026
Frances P. Hosier	712 W. Spring Street	Lebanon, TN	37087	615-444-9195
Ann M. Houk	2815 22nd Avenue, S.	Nashville, TN	37215	615-292-4977
Rev. J. N. & Ella Howard	1501 Crescent Dr	Kingsport, TN	37664	
Jim Ann Howard	Rt 1 Box 458	Pelham, TN	37366	931-467-3018
Susan Hoyle	P.O. Box 8421	Knoxville, TN	37996	423-525-0944
Stephanie Hudak	985 Trail Ridge Cir	La Vergne, TN	37086	615-793-4510
Danny Huffine	959 Old Boones Creek Rd.	Jonesborough, TN	37659	423-753-6940
Angela C. Hughes	475 Gypsy Lane	Ooltewah, TN	37363	423-757-1587
Dr. C. Richard & Henrietta Hughes,	703 Paragon Parkway NW,	Cleveland, TN	37312	423-476-8347
Karen Hunter	1151 Peyton Rd	Coldwater, MS	38618	601-622-7985
Wilma & Richard Hunter	3659 Wilson Overall Road	Murfreesboro, TN	37127	615-893-9509
Teresa Hutson-Feliu	201 Meadow Ln Ext	Kingsport, TN	37663	423-239-0546
Mr. & Mrs. Herman Hydas	2127 Cliff Eldridge Road	Soddy-Daisy, TN	37379	423-877-1278
Judy Kendall Hyde	55 Cherry Rd	Memphis, TN	38117	901-761-4898
Elizabeth L. Ihle	1046 Chestnut Dr.	Harrisonburg, VA	22801	540-433-2415
Bob & Ginger Ilardi	2786 North Star Dr.	Memphis, TN	38134	901-386-5182
Jerry Ingles	S.P.O. 1245	Sewanee, TN	37375	931-598-1235
Miss Louise Jackson	500 Elmington Avenue #208	Nashville, TN	37205-2508	615-383-7646
Mary Anne & Dan E. Jackson	897 E. Northfield Blvd.	Murfreesboro, Tn	37130	615-896-1809
Reece Jamerson	3119 W. Walnut St	Johnson City, TN	37604	423-928-4529
Margaret M. Jefferson	349 Hawthorne St.	Memphis, TN	38112	901-274-1045
Mrs. Albertine J. Jenkins	1291 Jarrell Road	Manchester, TN	37355-9415	931-728-4776
Albert M. Jenkins	2106 Wisteria Dr.	Hixson, TN	37343	423-842-4162
Pennie Jennings	3500 Sutherland Ave H-301	Knoxville, TN	37919	
Barry Jernigan	6636 Burnt Knob Rd	Murfreesboro, TN	37129	
William & Janice Jernigan	1107 Gallion Dr.	Columbia, TN	38401	
Bonnie Johnson	Rt 1 Box 500	Dunlap, TN	37327	
Cynthia Johnson	10091 Larkspur Dr	Ooltewah, TN	37363	423-899-8992
David Johnson & Jean Alexander,	3908 Riverview Drive	Maryville, TN	37804	423-977-0052
Larry D. Johnson & Jane Terry	11320 Sonja Dr.	Knoxville, TN	37922	423-671-1229
Pam Johnson	529 Wanda Drive	Nashville, TN	37210	615-889-6138
S. Dawn Johnson	7507 Irongate Dr.	Hixson, TN	37343	423-842-6507
Jim & Nita Johnston	130 Golden Court NW	Cleveland, TN	37312	423-336-6940
James & Beverly Joiner	5317 Misty Valley Dr.	Ooltewah, TN	37363	
Andrew Jones	911 Gratz St	Knoxville, TN	37917	
Godwin & Sylvia Jones	1938 Bay Pointe Drive	Hixson, TN	37343	423-842-2415
Lloyd J. Jones	1112 Muddy Creek Rd, PO Box 982,	Blountville, TN	37617	423-323-5414
Sara R. Jones	1669 Oak Hill Road	Germantown, TN	38138	901-757-5269
Mrs. Walk C Jones III	259 E. Cherry Circle	Memphis, TN	38117	901-767-3192

William & Kay Jones	Box 193	Hampshire, TN	38461	615-285-2777
Charlotte Joshlin	1794 Riverdale Road	Germantown, TN	38138	901-754-1983
Dev & Harriet Joslin	112 Newcrest Lane	Oak Ridge, TN	37830	423-482-7591
Mrs. Lenny Kafka	2401 Cedar Creek Drive	Chattanooga, TN	37421-2006	423-894-3027
Alice M. Kaserman	701 Chateaugay Road	Knoxville, TN	37923-2015	423-689-6105
Melvin & Dorothy Kaset	3907 Daleview Terrace	Chattanooga, TN	37411	423-624-1063
Prudence Katze	3017 Dumbarton Rd	Memphis, TN	38128	901-353-3533
Joel F. Keebler	P.O. Box 2101	Knoxville, TN	37901-2101	423-573-0936
Bill & Sandy Keene	107 Cool Springs Ct	Hendersonville, TN	37075	615-826-8974
Luther F. Keeton	80 Eastland Dr.	Memphis, TN	38111	901-682-2842
Pat & Glenda Keiran	1690 Alta Vista Drive	Memphis, TN	38127	901-353-4150
Gwynn Kellam	3605 Sycamore Lane	Nashville, TN	37215	
Alice S. Kellar	519 1/2 West First Avenue	Lenoir City, TN	37771	423-986-8311
Linda V. Kelly	927 Percy Warner Blvd.	Nashville, TN	37205	615-352-0638
Cass Kennedy	9045 Highway 100	Nashville, TN	37221-4412	615-662-7569
John & Jane Kennerly	1711 Vander Ridge Lane	Knoxville, TN	37919	423-588-5594
Carol Kimmons	Rt. 1 Box 304	Whitwell, TN	37397	
Edward M. King	177 N. Highland #807	Memphis, TN	38111	901-323-5982
Ms. Starr T. Klein	217 Arrow Dr.	Signal Mountain, TN	37377	423-886-5613
Bonnie Knight	1708 Shepard Rd	Chattanooga, TN	37421	
Rick Knight	804 N. Hills Dr.	Johnson City, TN	37604	423-282-5297
Joseph Knott	38 Mimosa Dr	Chattanooga, TN	37415	423-875-2270
Laura Knox	738 Harpeth Trace Drive	Nashville, TN	37221	615-352-6343
George & Marge Koehler	512 Lynnwood Blvd.	Nashville, TN	37205	615-297-4090
Tony Koella	215 Ellis Avenue	Maryville, TN	37801	423-982-7576
Alvin & Sandra Kolak	8743 Hollingsfield Drive	Knoxville, TN	37922	
Hazel & Lee Kramer	321 Shepherd Hills Dr	Madison, TN	37115	615-859-1905
Stephen Krauss, M.D.	P. O. Box 399	Seymour, TN	37865	423-428-5447
Keith & Peggy Kunkel	5369 Pipers Gap	Memphis, TN	38134	901-372-2205
Miss Beth Lacy	3129 McClure Lane, S.E.	Knoxville, TN	37920	423-577-4724
Kay Lait	2228 Washington	Memphis, TN	38104	901-725-1155
John & Elizabeth Lamb	109 Laurel Lake Dr	Monteagle, TN	37356	931-924-3804
Gerald & Debra Lambdin	307 Barbara Lane	Maryville, TN	37803	423-984-0925
Ms Andy Landis	1107 Caldwell Lane	Nashville, TN	37204	615-297-0913
William E. & Mary Lane	1025 South Seminole Drive	Chattanooga, TN	37412	423-624-5068
Mr. H. P. Langridge	339 Airport Rd.	Elizabethton, TN	37643-6031	407-582-7519
Barbara Lansden	305 Lynncrest Dr.	Chattanooga, TN	37411	423-622-1849
Richard Larrimore	5127 Teal Ave.	Memphis, TN	38118	901-794-4271
Tom & Jennifer Laughlin	Rt 1 Box 982	Roan Mtn, TN	37687	423-772-4772
Steve Lawrence	811 Appomattox Pl	Franklin, TN	37064	615-591-4987
Allyn & Cynthia Lay	2951 Evans Lane	Columbia, TN	38401	615-381-4477
Eula & Thurston Lee	1665 Valley Rd	Clarksville, TN	37043	931-552-7672
Kathy Lee	2507 Essex Place	Nashville, TN	37212	615-386-9222
Kenneth & Betty Leggett	P. O. Box 1609	Dyersburg, TN	38025-1609	901-285-0022
Henri & Bettie Levy	116 Meadow Road	Oak Ridge, TN	37830	423-483-9567
Ralph & Jo Levy	6125 Green Meadows	Memphis, TN	38120	901-685-7595
Selma Lewis	4629 Hemlock Lane	Memphis, TN	38117-3917	901-683-6042
Richard P. Lewis	407 VI Ranch Road	Bristol, TN	37620	423-878-2505
Eric Lichtwardt	1503 Jones Blvd	Murfreesboro, TN	37129	615-895-8887
Bette & Randall Little	8394 Poplar Pike	Germantown, TN	38138	901-755-7095
William Little	745 Forest Lake Dr	Memphis, TN	38117	901-761-2931
Mr. Jim Lochridge	806 Allison Gardens	Columbia, TN	38401	
Bedford & Ann Lochridge	914 Wooldridge Drive	Columbia, TN	38401	615-388-7600
Becky Lowe	4000 Ringgold Rd	Chattanooga, TN	37412	423-622-2902
Ruth Luckado	937 McKellar Drive	Tullahoma, TN	37388	931-455-4004

Carolyn Luetgens	4730 Briarwood Circle	Chattanooga, TN	37416	423-892-6412
Mary Lyles	867 Mooresville Pike	Columbia, TN	38401	
Anne Lyon	803 Ashwood Lane	Chattanooga, TN	37415	423-877-8693
Johnnie Sue Lyons	600 Marr Dr.	Signal Mountain, TN	37377	423-886-4564
Susan Maakestad	2144 Westchester Cl #6	Memphis, TN	38134	901-388-9507
Mrs. Portia R. Macmillan	3201 Overlook Drive	Nashville, TN	37212	
Nathanial & Jill Macon	201 Clinch Ave.	Knoxville, TN	37902	423-523-0552
Owen & Bonnie Maddux	211 Grayson Rd.	Signal Mtn., TN	37377	423-266-5691
Mrs. Chris Mahoney, Wild Birds Unltd,	7630 E. Brainerd Road	Chattanooga, TN	37421	423-892-3816
Doug & Crystal Malone	134 Gay St	McMinnville, TN	37110	931-473-9125
James P. & Susan Malone	536 Tree Top Ln.	Chattanooga, TN	37343	423-877-8261
Mrs. Frances W. Manley	10317 Long Rd.	Arlington, TN	38002	901-867-3943
Margaret Louise Mann	P. O. Box 140038	Nashville, TN	37214	615-883-6212
Mary Manthei	2244 Glencoe Rd.	Culleoka, TN	38451	615-987-2624
H. D. & Agnes Marcrom	433 W. Fort St.	Manchester, TN	37355	931-728-2276
Susan Marden	530 Harding Place Apt C41	Nashville, TN	37211-4521	615-315-9128
Rebecca R. Mars	815 Todd Preis Drive	Nashville, TN	37221	615-673-2370
Amanda Martin	312 White Street	Abingdon, VA	24210	540-623-2308
Janice, Fred & Ricky Martin	701 Euclid Avenue	Bristol, VA	24201	540-466-8678
John & Carolyn Martin	641 Ridgefield Road	Elizabethton, TN	37643	423-543-3752
Knox Martin	1176 Dearing Road	Memphis, TN	38117	901-685-8827
Mrs. Patricia M. Martin	1742 Rigsby Avenue	Murfreesboro, TN	37129	615-896-1674
Mr. & Mrs. Joe Martinez	1101 Bragg Circle	Tullahoma, TN	37388	931-455-5953
Mr. & Mrs. James David Mason	2115 Terrace Ave., S.W.	Knoxville, TN	37916	423-523-2577
Emmely M. Matt	100 James Boulevard, W-119	Signal Mtn, TN	37377	423-886-0365
Dr. Jonathan E. May & Yolanda Ricci,	2517 W. Linden Avenue	Nashville, TN	37212	615-297-5650
Audrey Mayer	4232 Acuff St	Knoxville, TN	37917	423-688-4158
George & Cleo Mayfield	999 Sunnyside Drive	Columbia, TN	38401	615-388-3922
Mr. George R. Mayfield, III	730 Maltba Road	Newland, NC	28657-8819	704-733-3966
Dr. Mark H. Mayfield	555-1/2 Stanford Ave.	Baton Rouge, LA	70808	
Sarah R. McBryde	10 King Dr	Rolla, MO	65401	901-384-7819
Allen Lupton McCallie	1639 Berkley Circle	Chattanooga, TN	37405	423-267-9045
Forney W. & Brenda McClellan	1535 Rugby Place	East Ridge, TN	37412	423-867-3457
Mr. & Mrs. Chester McConnell	110 Wildwoods Lane	Lawrenceburg, TN	38464	615-762-7718
Carolyn & Larry McCracken, Biology Dept., NSTCC,	P.O. Box 246,	Blountville, TN	37617	423-477-7731
Dr. Charles W. McCrary	1561 Vinton	Memphis, TN	38104	901-274-6425
Larry McDaniel	710 Crown Circle	Bristol, TN	37620	423-968-9541
Ms. Trish McFadden	107 Morton Mill Cir	Nashville, TN	37221	615-646-5955
Larry & Mary Edith McFarlin	2265 Racquet Club Dr.	Murfreesboro, TN	37130	615-896-1134
Steven P McGaffin	4801 Skyline Dr	Knoxville, TN	37914	423-673-9906
John T. McGirk	505 South St. Marks	Chattanooga, TN	37412	423-855-0124
George W. & Terry McGown,	130 Whittier Ln, Hartland Estates,	Oliver Springs, TN	37840	423-435-2523
Joe McGuiness	20 Quail Hollow Road	Erwin, TN	37650	423-743-0065
Elaine McKelvey	6615 Stevenson Road	Hillsboro, TN	37342	931-596-2255
Janeth & Charles McKendrick, Jr.,	1400 Kittrell Rd.	Franklin, TN	37064	615-591-9352
Drs. Kevin McKown & Nancy Fuller,	330 Crestmont Cove	Cordova, TN	38018-7718	901-757-7952
Diana McLusky	408 Winchester Drive	Franklin, TN	37069	615-646-4324
Michael A. & Barbara McMahan,	1132 Ridge Top Dr.	Chattanooga, TN	37421	423-894-7397
Melville & Ruth McMillan	743 Patterson Hill Road	Lascassas, TN	37085	615-896-1298
Tom McNeil	P. O. Box 143	Hampton, TN	37658	423-474-2052
William P. & Allison McNutt	11478 North Couch Mill Road	Knoxville, TN	37931	423-927-0868
Elizabeth McPherson & Steven Sykes,	109 South Riverside Dr	Elizabethton, TN	37643	423-543-5422
Mac & Susan McWhirter	4962 Gwynne Rd.	Memphis, TN	38117-3302	901-682-2355
Ruby McWhorter	6405 Homestead Rd	Huntsville, AL	35811-9503	205-859-1599
Howard & Mary Lou Meadors	109 Cleveland Rd.	Rossville, GA	30741	706 866-6075

Mr. & Mrs. Lee Medley	2834 Miller Crossroad	Hillsboro, TN	37342	931-596-2702
Philip & Karen Medley	309 Love Lane Rd.	Hillsboro, TN	37342	931-596-3414
Phillip & Amy Lynn Mendenhall,	2126 Old Ringgold Road	Chattanooga, TN	37404	423-622-1882
Sharon Milewski & Paul Gover	1802 Washington Ave	Knoxville, TN	37917	
Dwight Miller	2196 Nelson	Memphis, TN	38104-5760	901-272-0557
Dr. Fox & Mary Jane Miller	5441 S. Angela Lane	Memphis, TN	38120	901-683-0912
Gloria & William Milliken, Jr.	861 Vaughn Rd.	Clarksville, TN	37043	615-358-2998
James O. Mills	915 Vine Street	Chattanooga, TN	37403	423-267-5527
Harold & Maizie Mintern	PO Box 16031	Chattanooga, TN	37416-0031	
Laura Mitchell	9694 Bowen Trail	Ooltewah, TN	37363	423-396-2849
Lilly Mitchell	155 Ruth Ln	Ringgold, GA	30736-6540	706-935-4492
Linda C Modica	266 Mayberry Road	Jonesborough, TN	37659	423-753-9697
Charles F. Moore	1315 W. Lynnwood Cir, #1	Johnson City, TN	37604	423-926-6207
Nancy Moore	Rt. 1, Box 286	Tiptonville, TN	38079	901-253-9064
Miss Nelle Moore	3535 Kirby Road#K223	Memphis, TN	38115	901-360-1364
Rev. Craig Morgan	3475 Edgewood Circle NW	Cleveland, TN	37312-4447	423-478-2765
Sally Morris	6220 Shallowford Rd, #356	Chattanooga, TN	37421	423-894-5390
Daniel Moss	1430 Moss Rd	Chapel Hill, TN	37034	931-364-3036
Judith B. Murray	804 Rock City Road	Kingsport, TN	37664	
James & Mae Musick	465 Painter Creek Road	Bristol, TN	37620	423-878-3816
Judy A. Musick, Heatherwood Apts,	Box 195A1	Chilhowie, VA	24319	540-646-5673
Mary Myers	1413-B John Ross Road	East Ridge, TN	37412	423-867-2711
Jerry & Sally Nagel	1603 Chickees Street	Johnson City, TN	37604	423-928-0853
Mathilde M. Najjar	717 Georgetown Dr	Nashville, TN	37205	615-356-7396
Mr. James B. Nance, Jr.	497 Elysian Fields Rd, #H-9	Nashville, TN	37211	615-834-8551
George E. & Catherine Neal	3576 Old South Road	Murfreesboro, TN	37129	615-896-9088
Mrs. William F. Neal	5501 Bates Pike SE	Cleveland, TN	37323-8031	423-476-8094
Matt & Jenny Nehring	4408-B Nevada Ave	Nashville, TN	37209	615-460-9713
Mr. & Mrs. William Royce Neidert,	207 Old Jackson Hwy	Loretto, TN	38469	615-852-4330
Dr. Roger Nelson	HCR Box 380	Dunlap, TN	37327	423-949-4603
Matthew & Jane Newberg	5303 Grassland Drive	Murfreesboro, TN	38129	615-893-0414
Mrs. Jane Newell	917 Brookmeade Drive	Pulaski, TN	38478-3133	615-424-6194
H. Bruce & Betty Newman	P.O. Box 1132	Louisville, TN	37777-1132	423-983-4853
Grace & Richard Newton	522 Indian Lake Road	Hendersonville, TN	37075	615-824-5578
Charles P. Nicholson	P. O. Box 402	Norris, TN	37828-0402	423-444-0705
Sara Nolan	2017 Sweetbriar Ave.□Nashville, TN□		37212	615-297-1220
Ms. Viola & Ms. Ollie J. Nolan	698 West Outer Drive	Oak Ridge, TN	37830	423-482-5198
Larry & Kay C. Norris	1609 Ponderosa Trail	Lebanon, TN	37087	615-449-0967
Elizabeth O'Connor	201 Cambridge Place	Franklin, TN	37067	615-791-1296
Ruth & Eugene Odom	1700 E. Main St.	Murfreesboro, TN	37130	615-893-5218
Catherine Okhuysen	2107 Houstonia Dr	Knoxville, TN	37918	
William C. Olson	5404 Woodberry Circle	Marietta, GA	30068-1838	423-899-0002
Dr. David M. O'Neal	680 Crest Road	Chattanooga, TN	37404	423-698-7196
Mr. Jack Only	715 Peterson Lake Road	Collierville, TN	38017	901-853-4821
Mrs. Holly Overton	3316 Bunker Hill Dr.	Knoxville, TN	37920	423-577-8991
J. B. & Frances Owen	2324 Antietam Road	Knoxville, TN	37917	423-525-2504
Diana Page	6708 Autumnwood Dr.	Nashville, TN	37221	615-646-4948
Mr. & Mrs. Russell Pankey	800 Odd Fellows Hall Road	Pulaski, TN	38478	615-363-1302
Dr. Gerald Papachristou	2858 Shelley Cove	Memphis, TN	38115	901-365-6527
Mr. & Mrs. Paul S. Pardue	4415 Beechwood Rd., Rt. 23	Knoxville, TN	37920	423-577-5391
Dee Parker	64 Iriswood Rd.	Flintstone, GA	30725	706-820-9622
Lance Parker	P.O. Box 1702	Chattanooga, TN	37401	423-265-0022
Johnny T. Parks	164 McDonald Drive	Ringgold, GA	30736-7213	706-937-7163
Mrs. Thomas Parrish	2125 Lafayette	Lawrenceburg, TN	38464	615-762-9532
Mr. & Mrs. Oscar Patrick	4641 Villa Green Dr.	Nashville, TN	37215	615-665-0633

Mr. & Mrs. James T. Patton	203 Timberlinks Dr.	Signal Mountain, TN	37377	423-886-1583
George R. Payne, Jr.	5851 Ardwick Drive #4	Memphis, TN	38119-5715	901-680-9685
Jeanne Payne	5851 Ardwick Drive #4	Memphis, TN	38119-5715	901-680-9685
Holmes & Carla Peacher-Ryan	1607 North Parkway	Memphis, TN	38112-4936	901-725-9533
Dr. & Mrs. Richard H. Peake	Box 28	Wise, VA	24293	
Laurie S. Pearl	5801 Briarcliff Road	Knoxville, TN	37918	423-281-7638
W. Robert Peeples	8205 Meadow Glen Drive	Germantown, TN	38138-6158	901-755-8671
Bill & Pat Peeples	8205 Meadow Glen Drive	Germantown, TN	38138-6158	901-755-8671
Alfred M. Perry, Jr.	8809 Cove Point Lane	Knoxville, TN	37922	
Betty Perry	911 Wesley Chapel Road	Lawrenceburg, TN	38464	615-762-7206
Gaynell & Ted Perry	2940 Clearwood Cove	Memphis, TN	38134	901-373-7411
Karen Petrey	2511 Legion Drive	Knoxville, TN	37920	423-573-4896
James A Phillips	63 Bonee Road	Lawrenceburg, TN	38464	931-762-4039
Robert L. & Mildred Pierce	138 Cunningham Lane	Signal Mountain, TN	37377	423-886-2705
Robert A. Pinkston	928 Little Dog Cove	Hernando, MS	38632	601-429-2412
Margery R. Plymire	Box 843	Linville, NC	28646	704-733-6521
John & Nancy Pond	5600 Brite Drive	Bethesda, MD	20817	301-654-2296
David Popkin	2605 Belmont Blvd	Nashville, TN	37212	615-386-9036
Sam H. & Mary Powell	506 Brady Pt. Rd.	Signal Mountain, TN	37377	423-886-2689
Dick D. Preston	261 Sassafras Circle	Munford, TN	38058	901-837-3360
Don & Dorothy Preston	351 Sassafras Circle	Munford, TN	38058-9524	901-837-4526
Mack Prichard	1828 River Drive	Nashville, TN	37218-3225	615-244-6484
Forrest & Barbara Priddy	2444 Carrollwood Lane	Cordova, TN	38018	901-384-0197
Dr. Walter & Linda Puckett	1807 East Brow Road	Signal Mountain, TN	37377	423-886-4420
Ernest & Ladenia Pursley	34 Hickory Circle	Ringgold, GA	30736	706-937-3816
Barbara Pyles	1628 Wildlife Trail	Kingston Springs, TN	37082	615-952-3444
Robert H. Quillen	22333 Ivanhoe Road	Bristol, VA	24202	
Wanda N Radcliffe	278 Gentry Road	Manchester, TN	37355	931-728-5514
Peter Range	2211 Rancho Rd.	Hartsville, SC	29550	803-383-9408
Leslie A. Rawlings	1001 Cardinal Ln.	Hendersonville, TN	37075	615-822-3687
Larry D. & Sally Raye	PO Box 6	Brush Creek, TN	38547	615-683-8289
Larry D. Raye	PO Box 6	Brush Creek, TN	38547	615-683-8289
Sam Reid	1430 Haynes Drive	Murfreesboro, TN	37129	615-890-8071
George & Nan Rentschler, Jr.	1347 Gen. Geo. Patton Rd	Nashville, TN	37221-2446	615-646-6352
Ernest & Mary Ellen Restivo	1248 E. Crestwood, Dr.	Memphis, TN	38119	901-682-8920
Virginia & Tom Reynolds	4241 Waymar Dr.	Memphis, TN	38117	901-767-3547
Bill & Coletta Rhoads	10625 David Crockett Hwy.	Belvidere, TN	37306	
Frank D. & Peg Ribbel	318 Rutland Road	Mt. Juliet, TN	37122	615-758-0545
Hazel Rice	1301 Lynnwood Drive	Johnson City, TN	37601	423-926-6381
Robert Rich	1023 Maxwell Avenue	Nashville, TN	37206	615-226-9843
Rhea Richards	1019 Edmonson Circle	Nashville, TN	37211	615-333-0923
Robert D Riggs	Rt 2 Box 27-B	Lebanon, VA	24266	540-889-5007
Patricia Ann Ritter	2827 Hillside Dr	Nashville, TN	37212-4101	615-297-7950
Don Ritzhaupt	3809 Woodbine Cr. N.W.	Cleveland, TN	37311	423-472-2708
Judith Roach	3919 Skyland Drive	Kingsport, TN	37664	423-247-8212
Mr. Chandler S. Robbins	7900 Brooklyn Bridge Rd.	Laurel, MD	20707	
Dan Robbins	41 Riverview Drive	Oak Ridge, TN	37830-7283	423-483-4920
Dr. S. Gwin & Betsy Robbins	674 West Drive	Memphis, TN	38112	901-327-3355
Charles Robertson	8308 Mill Race Dr	Ooltewah, TN	37363	
Alyce C. Robinson	1538 Colony Park Dr.	Johnson City, TN	37604	
Mr. Wendell Niel Robinson	1408 Towson Drive	Columbia, TN	38401	615-388-1013
Mrs. Erma L. Rogers	161 Roscoe Lynn Road	Hillsboro, TN	37342-9619	931-596-2550
Marilyn Rogers	105 River Point Road	Signal Mountain, TN	37377	423-8666-5986
Mrs. Tommie Rogers	PO Box 1480	Crystal River, FL	34423-1480	
Polly Rooker	108 Pepper Ridge Circle	Antioch, TN	37013	615-834-5728

E.A. & Rosanna Rose	109 Mason Ln	Oak Ridge, TN	37830	423-220-8336
Amy Rosine	2521 Kingston Pike Apt 1209	Knoxville, TN	37919	
Ralph & Sylvia Ross	8739 Lakeshore Drive	Walls, MS	38680	901-781-2648
Edward Rouse	3303-B Ooltewah-Ringgold Road, Ooltewah, TN		37363-8918	423-894-2879
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NOTICE TO RESEARCHERS

Several references in this issue include dates later than the cover date of March 1998. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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